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FILE 'HCAPLUS' ENTERED AT 13:41:24 ON 22 SEP 2006
E US20050159359/PN

L1 1 S E3
SEL RN

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L3 STR
L4 50 S L3
L5 STR L3
L6 3 S L5
L7 STR L5
L8 3 S L7
L9 66 S L7 FUL
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L10 7 S L9

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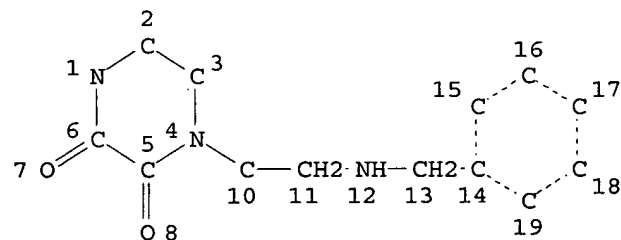
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L7 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
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GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
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FILE 'HCAPLUS' ENTERED AT 14:26:41 ON 22 SEP 2006

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L10 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:474920 HCAPLUS

DOCUMENT NUMBER: 143:19969

TITLE: Peptidyl and nonpeptidyl compounds for
derepression of IAP-inhibited caspase and
therapeutic and drug screening uses

INVENTOR(S): Reed, John C.; Houghten, Richard A.; Nefzi,
Adel; Ostresh, John M.; Pinilla, Clemencia;
Welsh, Kate

PATENT ASSIGNEE(S): The Burnham Institute, USA; Torrey Pines
Institute for Molecular Studies

SOURCE: U.S. Pat. Appl. Publ., 182 pp., Cont.-in-part
of U.S. Ser. No. 302,811.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2005119176	A1	20050602	US 2003-748128	2003 1224
US 2003180805	A1	20030925	US 2002-302811	2002 1121
US 6911426	B2	20050628		
US 2005159359	A1	20050721	US 2004-21517	2004 1223
PRIORITY APPLN. INFO.:			US 2001-331957P	P 2001 1121
			US 2002-302811	A2 2002 1121

AB The invention provides isolated agents having a core peptidyl or nonpeptidyl (e.g., urea derivative, diketopiperazine derivative) structure, wherein the agent derepresses an IAP-inhibited caspase. The invention also provides a method of derepressing an IAP-inhibited caspase. The method consists of contacting an IAP-inhibited caspase with an effective amount of an agent to derepress an IAP-inhibited caspase. The methods of the invention can be used for promoting apoptosis in a cell and for reducing the severity of a pathol. (e.g., cancer) characterized by reduced levels of apoptosis. Methods for identifying agents that derepress an IAP-inhibited caspase are also provided.

IT 537051-58-4 537051-59-5 537053-07-9
537053-08-0 537053-09-1 537053-10-4
537053-11-5 537053-12-6 537053-13-7

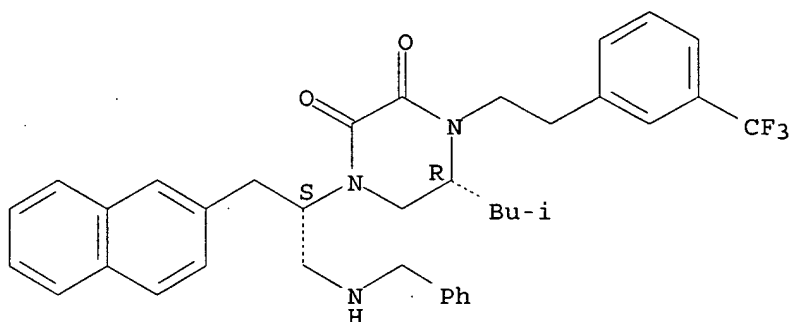
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 540529-41-7 540529-43-9 540529-46-2
 540529-48-4 540529-50-8 852819-52-4

(peptidyl and nonpeptidyl compds. for derepression of
 IAP-inhibited caspase and therapeutic and drug screening uses)

RN 537051-58-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-4-[2-[3-(trifluoromethyl)phenyl]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

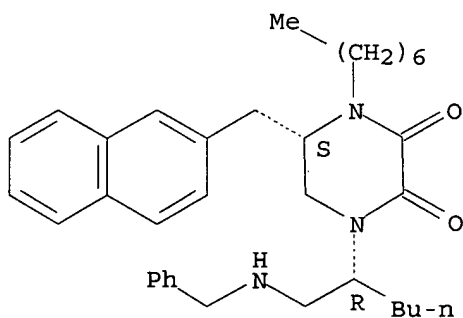
Absolute stereochemistry.



RN 537051-59-5 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1R)-1-[[[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

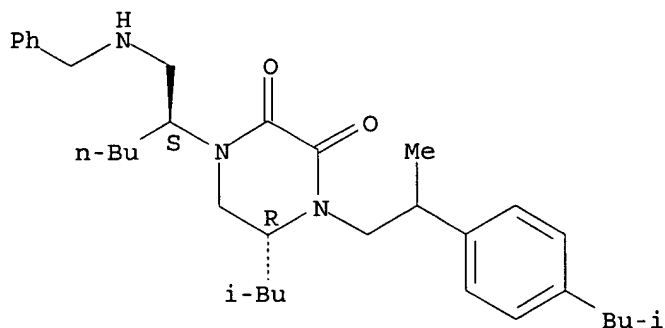
Absolute stereochemistry.



RN 537053-07-9 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-methylpropyl)phenyl]propyl]-1-[(1S)-1-[[[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

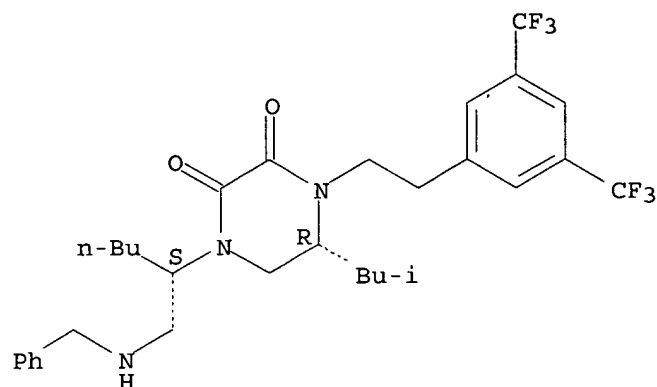
Absolute stereochemistry.



RN 537053-08-0 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)-(9CI) (CA INDEX NAME)

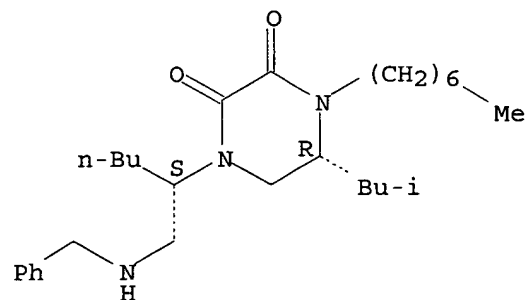
Absolute stereochemistry.



RN 537053-09-1 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

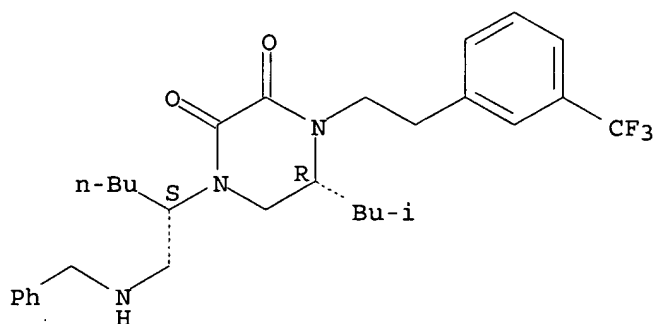


RN 537053-10-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-

(trifluoromethyl)phenyl]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

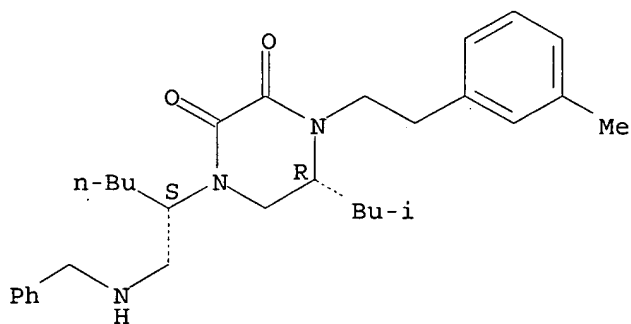
Absolute stereochemistry.



RN 537053-11-5 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

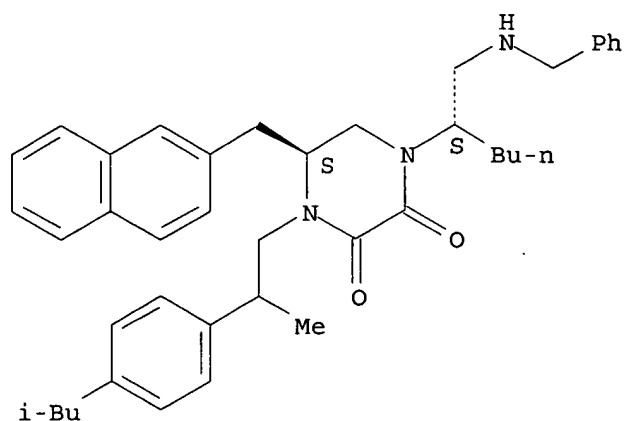
Absolute stereochemistry.



RN 537053-12-6 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

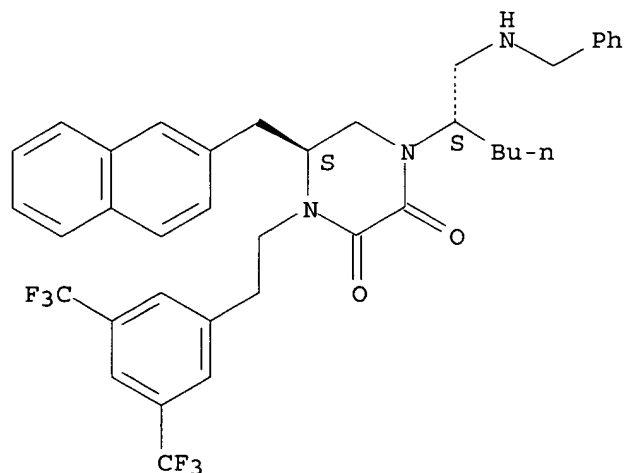
Absolute stereochemistry.



RN 537053-13-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

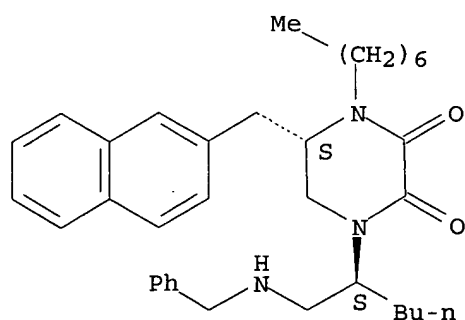
Absolute stereochemistry.



RN 537053-14-8 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

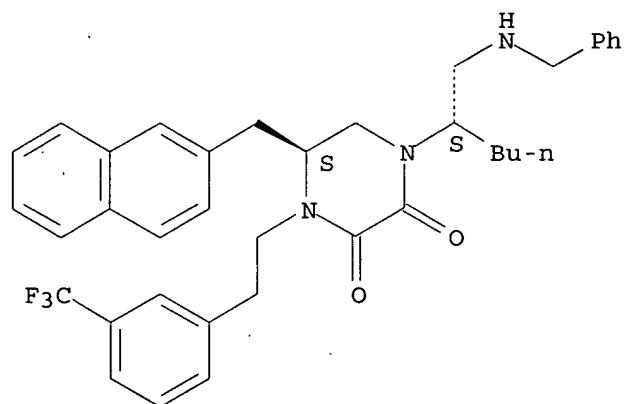
Absolute stereochemistry.



RN 537053-15-9 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1S)-1-
 [[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-
 (trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

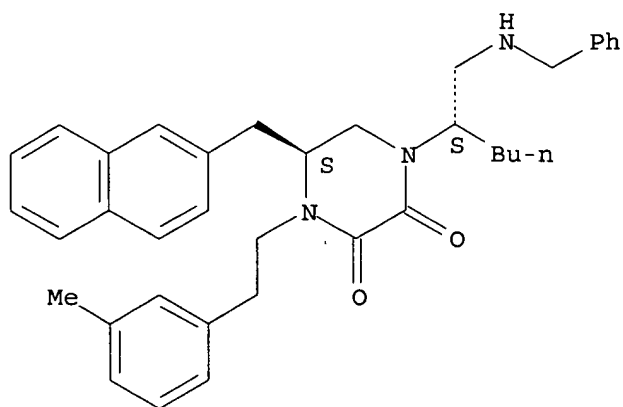
Absolute stereochemistry.



RN 537053-16-0 HCAPLUS

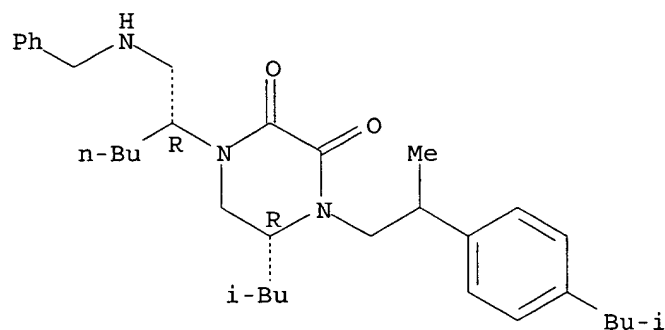
CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-
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 , (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



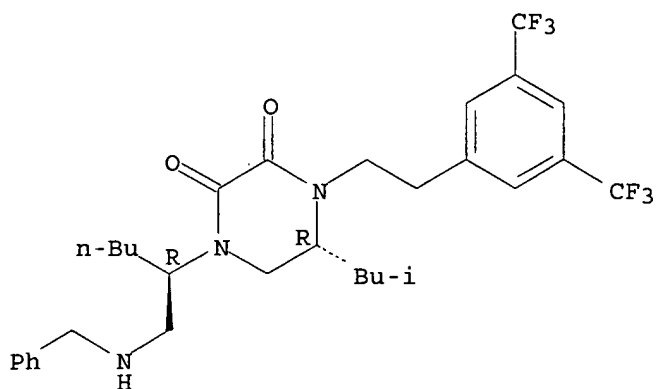
RN 537053-17-1 HCAPLUS
 CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-methylpropyl)phenyl]propyl]-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 537053-18-2 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl-, (5R)- (9CI) (CA INDEX NAME)

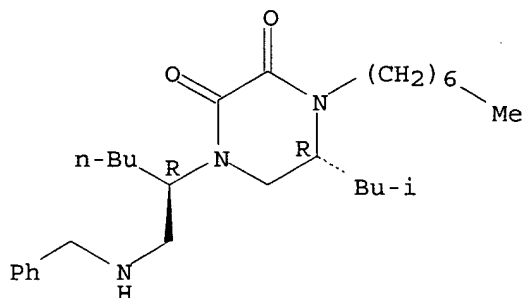
Absolute stereochemistry.



RN 537053-19-3 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-methylpropyl)-1-[(1R)-1-
[[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX
NAME)

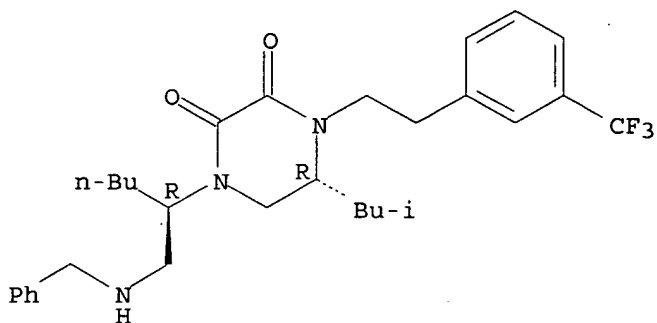
Absolute stereochemistry.



RN 537053-20-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1R)-1-
[[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-
(trifluoromethyl)phenyl]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

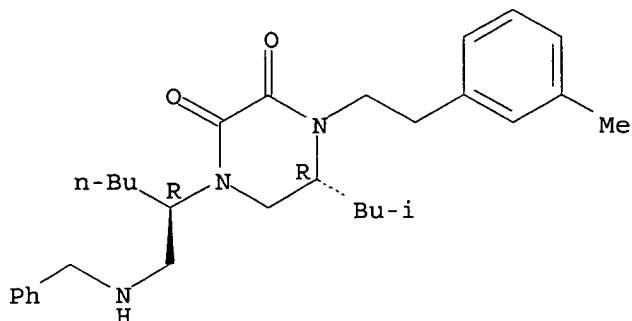


RN 537053-21-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-

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(5R)-(9CI) (CA INDEX NAME)

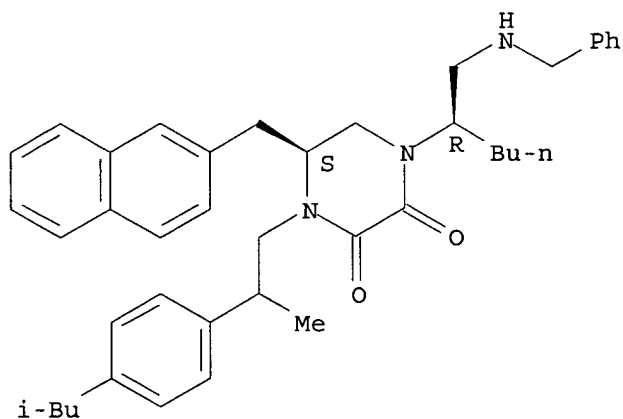
Absolute stereochemistry.



RN 537053-22-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

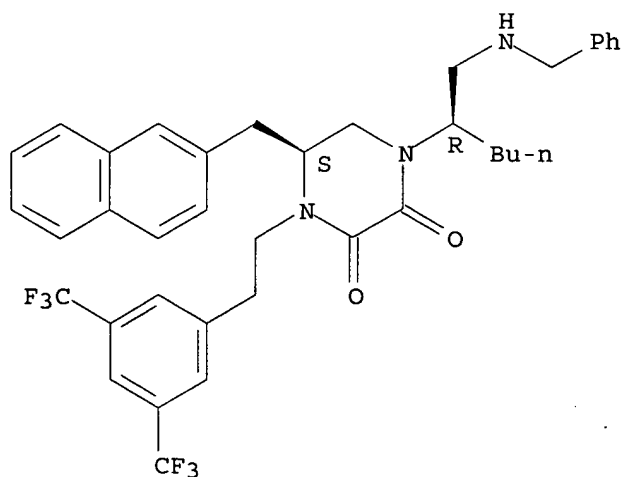
Absolute stereochemistry.



RN 537053-23-9 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

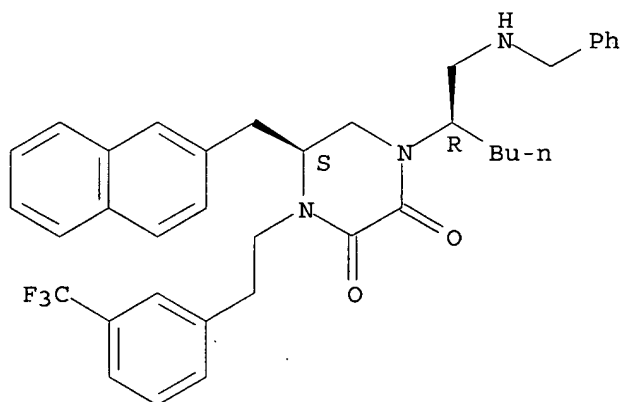
Absolute stereochemistry.



RN 537053-24-0 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1R)-1-
[[[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-
(trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

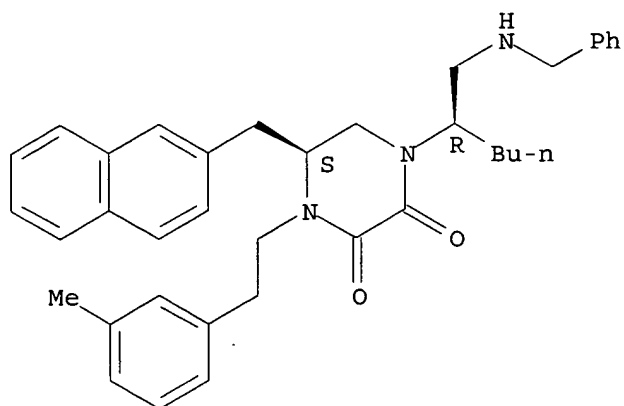
Absolute stereochemistry.



RN 537053-25-1 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-
naphthalenylmethyl)-1-[(1R)-1-[[[(phenylmethyl)amino]methyl]pentyl]-
, (5S)- (9CI) (CA INDEX NAME)

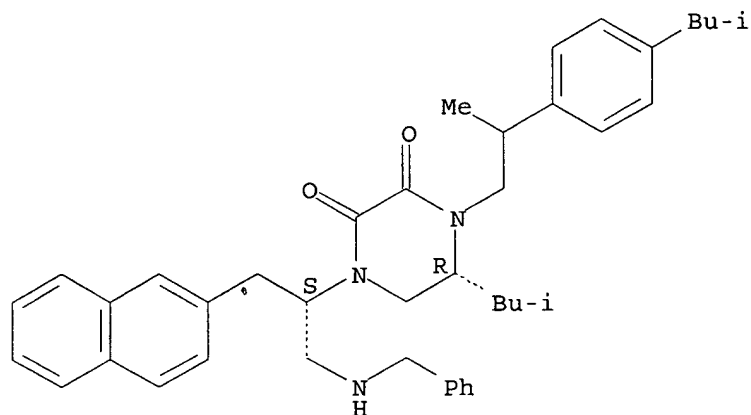
Absolute stereochemistry.



RN 537053-26-2 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-methylpropyl)phenyl]propyl]-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

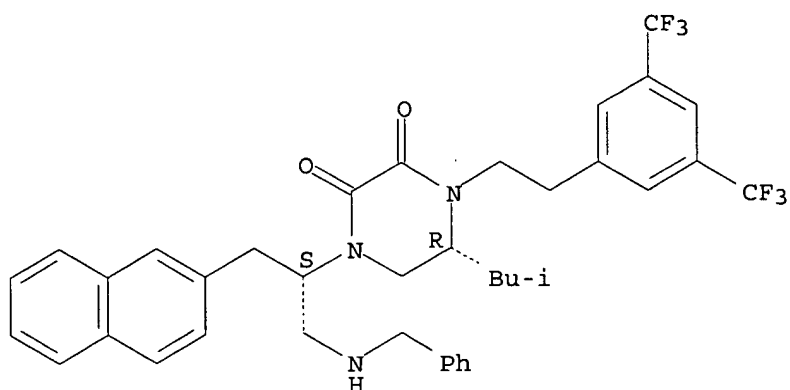
Absolute stereochemistry.



RN 537053-27-3 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

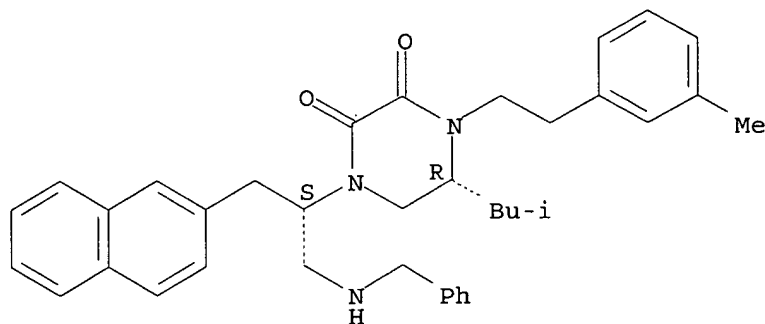
Absolute stereochemistry.



RN 537053-28-4 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

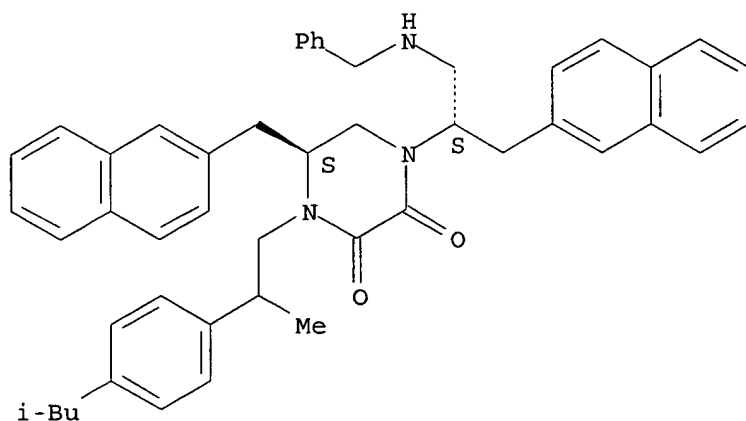
Absolute stereochemistry.



RN 537053-29-5 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

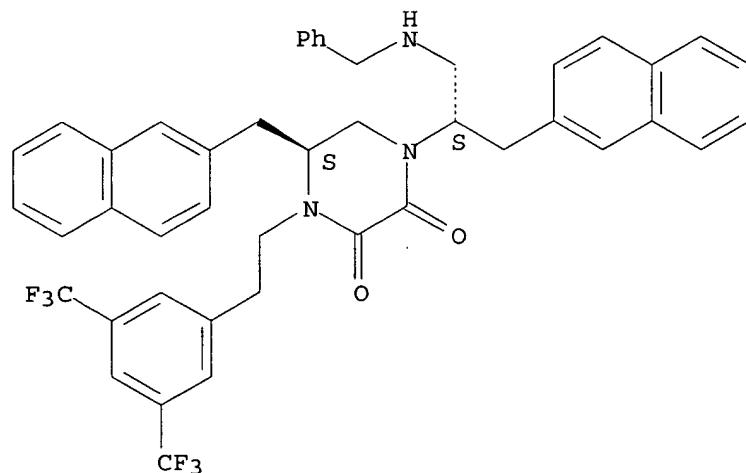
Absolute stereochemistry.



RN 537053-30-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

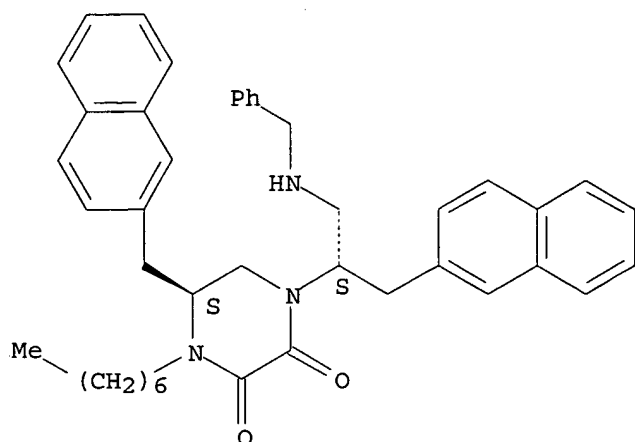
Absolute stereochemistry.



RN 537053-31-9 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

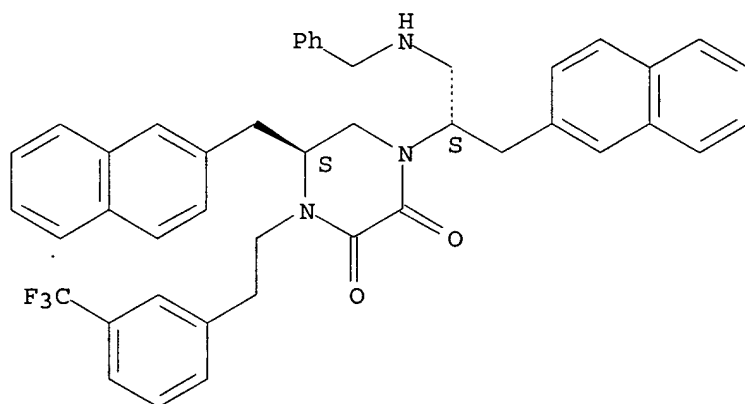
Absolute stereochemistry.



RN 537053-32-0 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-4-[2-[3-(trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

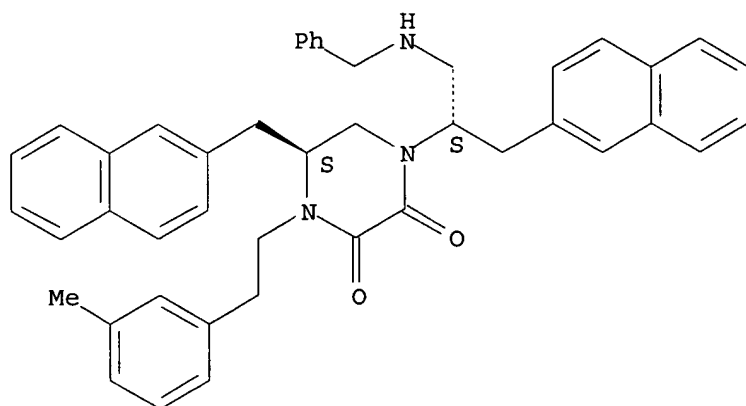
Absolute stereochemistry.



RN 537053-33-1 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

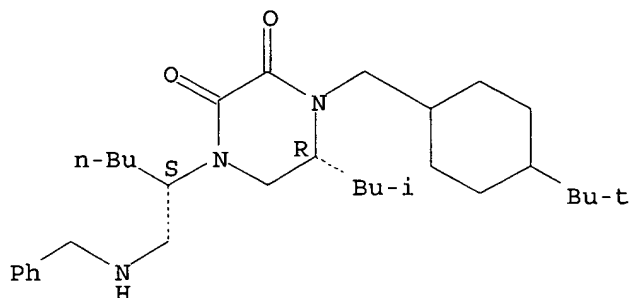
Absolute stereochemistry.



RN 540529-39-3 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl-, (5R)- (9CI) (CA INDEX NAME)

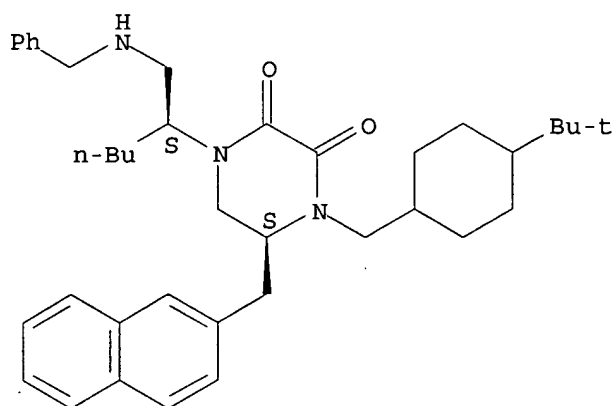
Absolute stereochemistry.



RN 540529-41-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl-, (5S)- (9CI) (CA INDEX NAME)

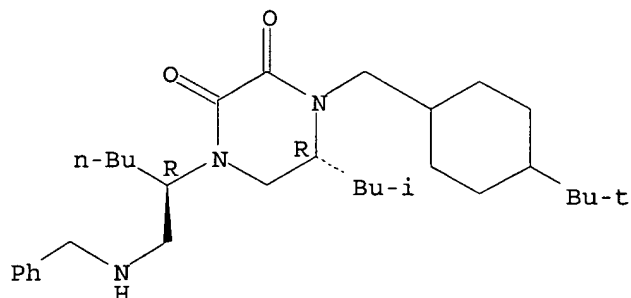
Absolute stereochemistry.



RN 540529-43-9 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

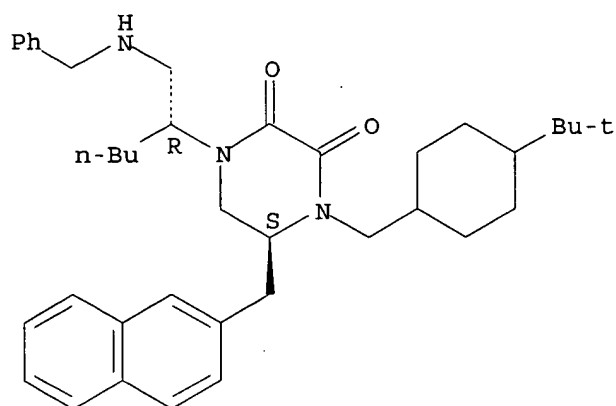
Absolute stereochemistry.



RN 540529-46-2 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

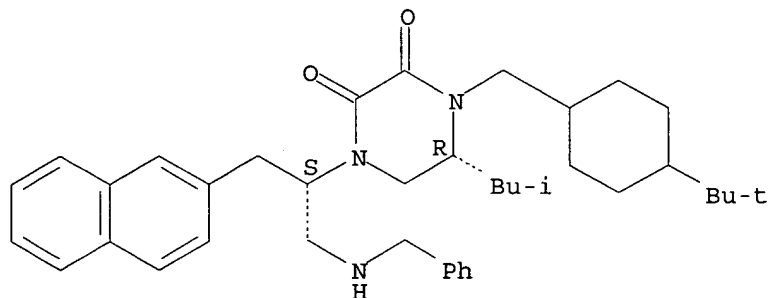
Absolute stereochemistry.



RN 540529-48-4 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

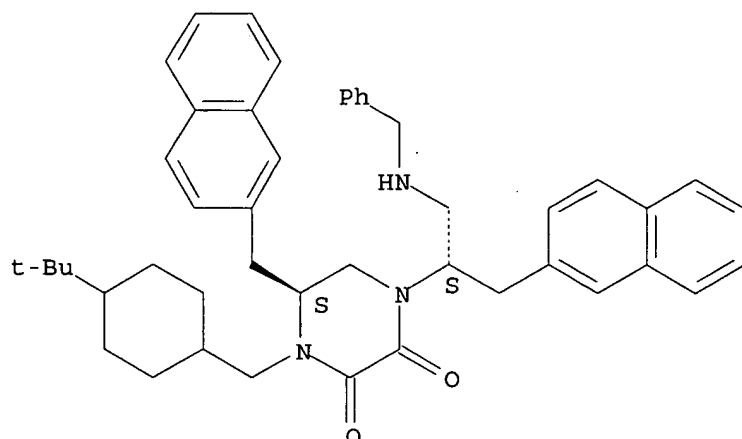
Absolute stereochemistry.



RN 540529-50-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

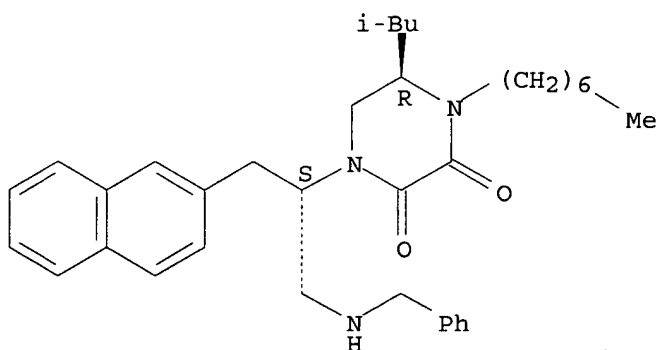
Absolute stereochemistry.



RN 852819-52-4 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



IC ICM C12N009-99

ICS A61K038-52

INCL 514012000; 435325000; 435184000

CC 1-6 (Pharmacology)

Section cross-reference(s): 7

IT	295343-36-1	295343-40-7	537050-97-8	537051-01-7
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(peptidyl and nonpeptidyl compds. for derepression of
IAP-inhibited caspase and therapeutic and drug screening uses)

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(peptidyl and nonpeptidyl compds. for derepression of
IAP-inhibited caspase and therapeutic and drug screening uses)

L10 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:434582 HCAPLUS

DOCUMENT NUMBER: 139:30774

TITLE: Methods and compositions using peptidyl and
nonpeptidyl compounds for derepression of
IAP-inhibited caspase, therapeutic use, and
methods for identification of agents

INVENTOR(S): Reed, John C.; Houghten, Richard A.; Nefzi,
Adel; Ostresh, John M.; Pinilla, Clemencia;
Welsh, Kate

PATENT ASSIGNEE(S): The Burnham Institute, USA; Torrey Pines
Institute for Molecular Studies

SOURCE: PCT Int. Appl., 182 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003045974	A2	20030605	WO 2002-US37577	2002 1121
WO 2003045974	A3	20040219		
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CA 2467892	AA	20030605	CA 2002-2467892	

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AU 2002359457 A1 20030610 AU 2002-359457

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AU 2002359457 A2 20030610
EP 1465649 A2 20041013 EP 2002-793997

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
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JP 2005510569 T2 20050421 JP 2003-547423

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CN 1615148 A 20050511 CN 2002-827412

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PRIORITY APPLN. INFO.: US 2001-331957P P

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WO 2002-US37577 W

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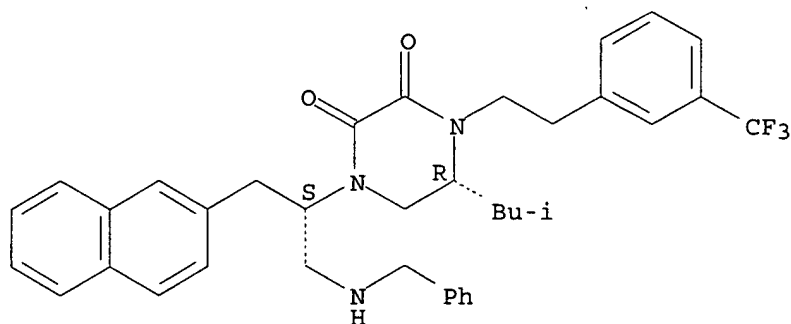
AB The invention provides isolated agents having a core peptidyl or nonpeptidyl (e.g. urea derivative, diketopiperazine derivative) structure, wherein the agent derepresses an IAP-inhibited caspase. The invention also provides a method of derepressing an IAP-inhibited caspase. The method consists of contacting an IAP-inhibited caspase with an effective amount of an agent to derepress an IAP-inhibited caspase. The methods of the invention can be used for promoting apoptosis in a cell and for reducing the severity of a pathol. (e.g. cancer) characterized by reduced levels of apoptosis. Methods for identifying agents that derepress an IAP-inhibited caspase are also provided.

IT 537051-58-4 537051-59-5 537053-07-9
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537053-32-0 537053-33-1 540529-39-3
540529-41-7 540529-43-9 540529-46-2
540529-48-4 540529-50-8
(peptidyl and nonpeptidyl compds. for derepression of
IAP-inhibited caspase, therapeutic use, and methods for
identification of agents)

RN 537051-58-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-4-[2-[3-(trifluoromethyl)phenyl]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

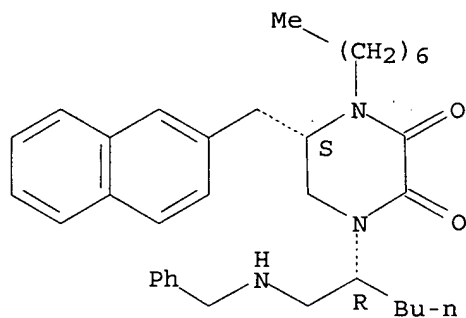
Absolute stereochemistry.



RN 537051-59-5 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1R)-1-
 [(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX
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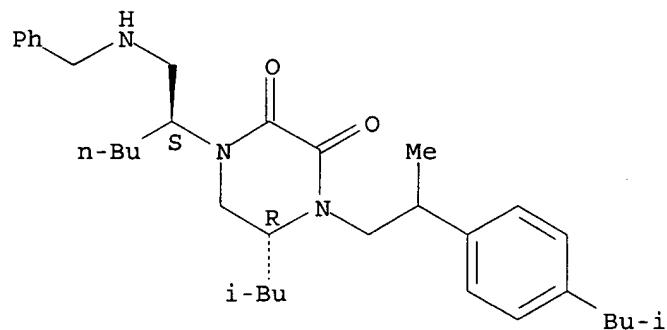
Absolute stereochemistry.



RN 537053-07-9 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-
 methylpropyl)phenyl]propyl]-1-[(1S)-1-
 [(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.

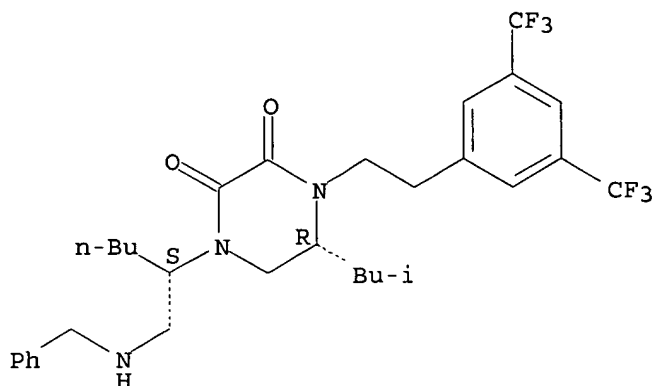


RN 537053-08-0 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-
 (2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-,

(5R) - (9CI) (CA INDEX NAME)

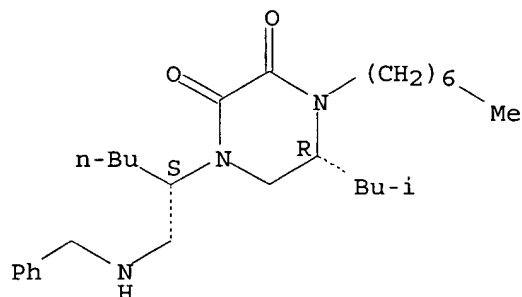
Absolute stereochemistry.



RN 537053-09-1 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-methylpropyl)-1-[(1S)-1-
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NAME)

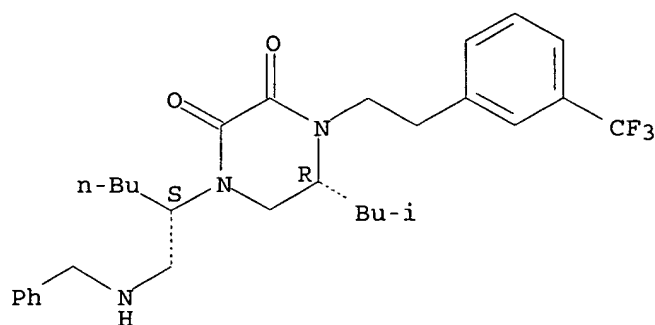
Absolute stereochemistry.



RN 537053-10-4 HCAPLUS

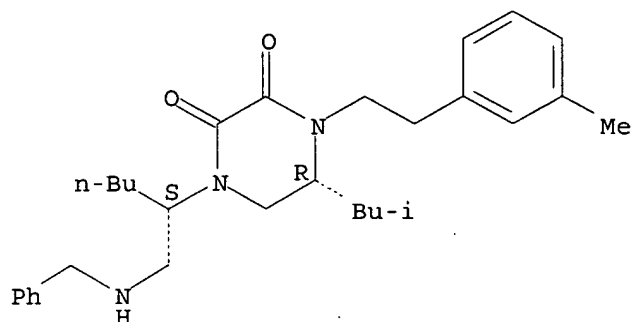
CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1S)-1-
[[phenylmethyl]amino]methyl]pentyl]-4-[2-[3-
(trifluoromethyl)phenyl]ethyl]-, (5R) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



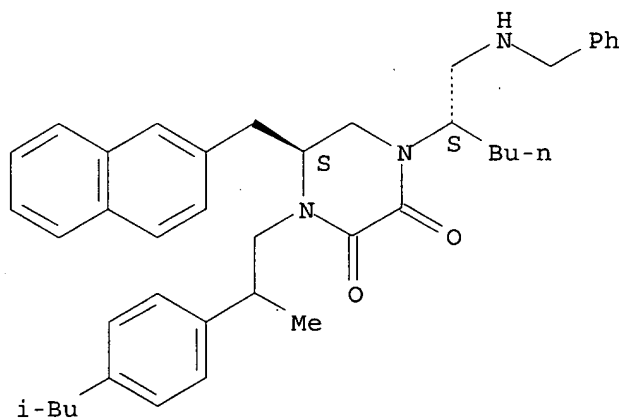
RN 537053-11-5 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



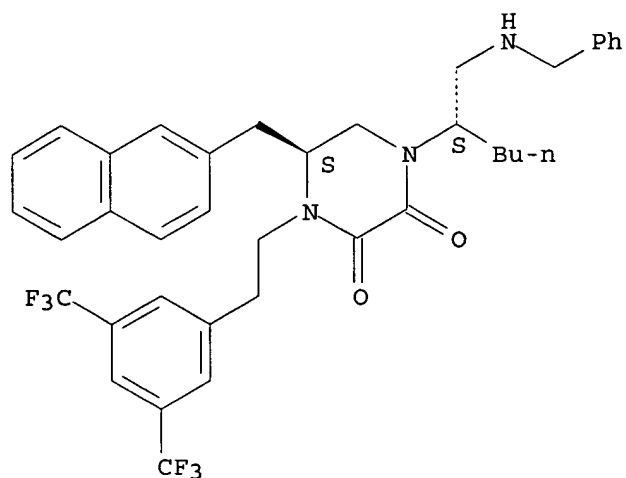
RN 537053-12-6 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 537053-13-7 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

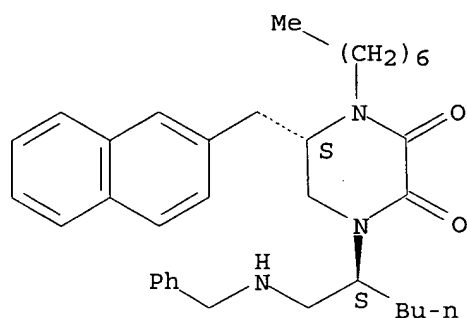
Absolute stereochemistry.



RN 537053-14-8 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1S)-1-
 [[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX
 NAME)

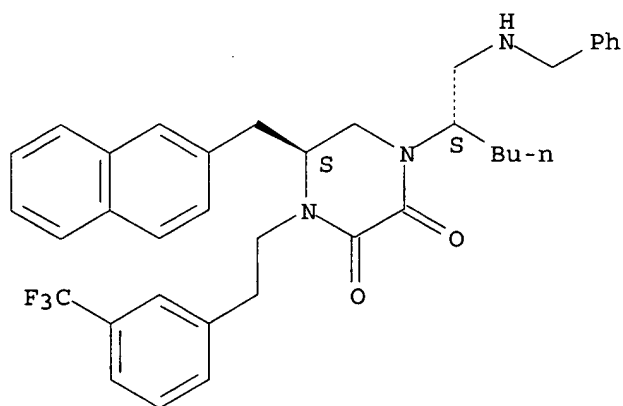
Absolute stereochemistry.



RN 537053-15-9 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1S)-1-
 [[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-
 (trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

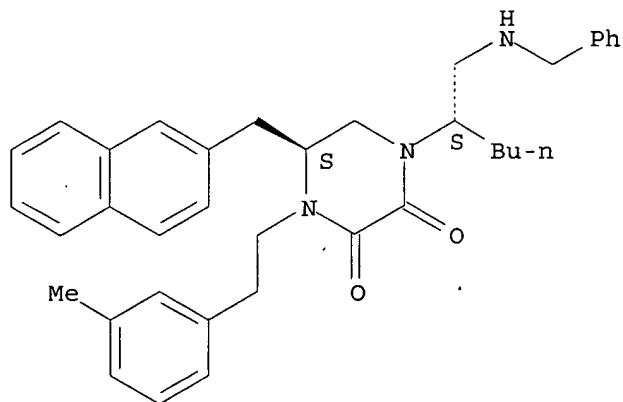
Absolute stereochemistry.



RN 537053-16-0 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

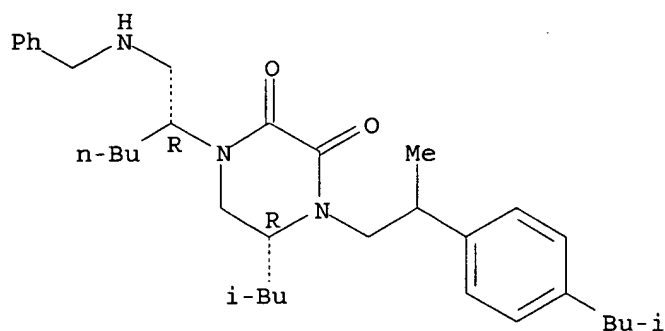
Absolute stereochemistry.



RN 537053-17-1 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-methylpropyl)phenyl]propyl]-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)-(9CI) (CA INDEX NAME)

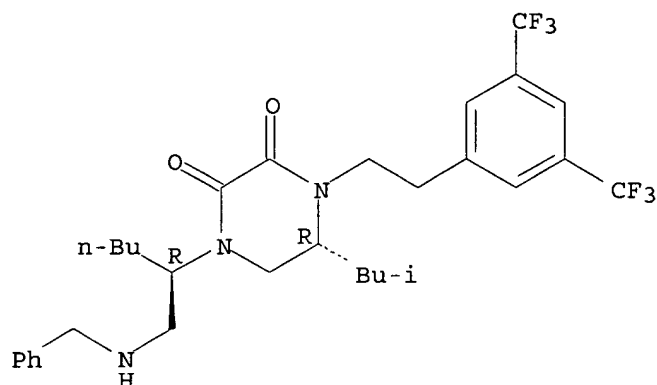
Absolute stereochemistry.



RN 537053-18-2 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

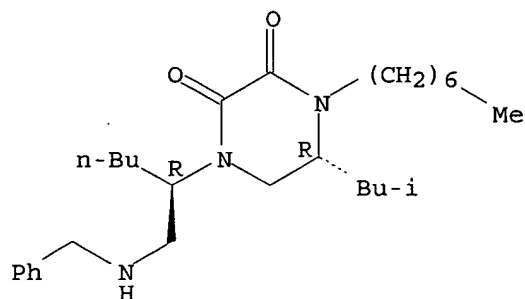
Absolute stereochemistry.



RN 537053-19-3 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

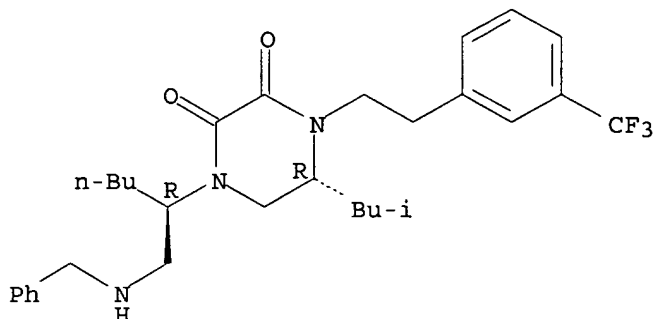


RN 537053-20-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

[[(phenylmethyl) amino] methyl] pentyl] -4- [2- [3- (trifluoromethyl) phenyl] ethyl] -, (5R) - (9CI) (CA INDEX NAME)

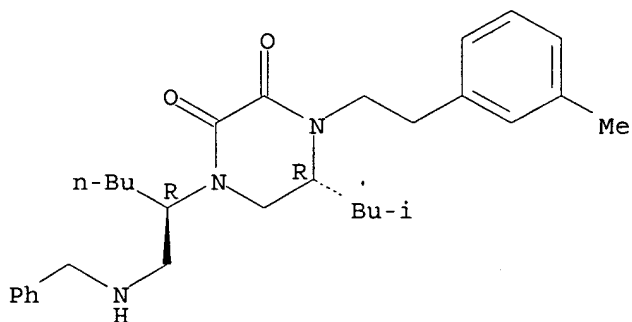
Absolute stereochemistry.



RN 537053-21-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-methylpropyl)-1-[(1R)-1-[[(phenylmethyl) amino] methyl] pentyl] -, (5R) - (9CI) (CA INDEX NAME)

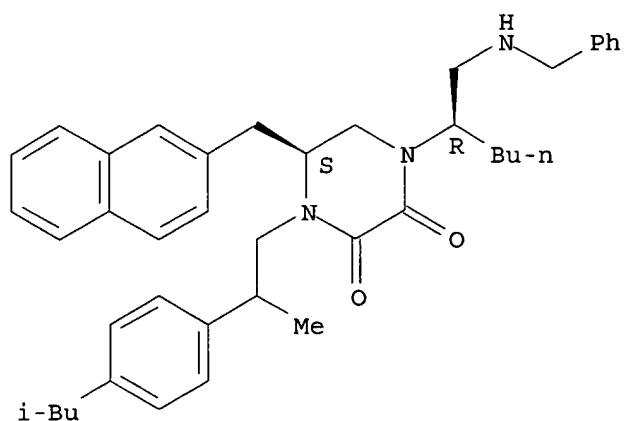
Absolute stereochemistry.



RN 537053-22-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[[(phenylmethyl) amino] methyl] pentyl] -, (5S) - (9CI) (CA INDEX NAME)

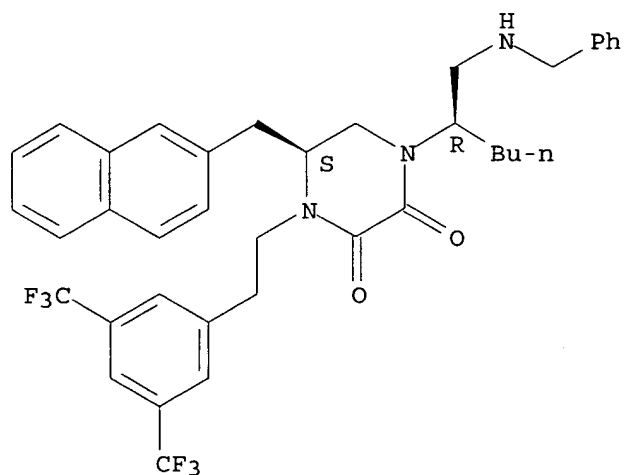
Absolute stereochemistry.



RN 537053-23-9 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

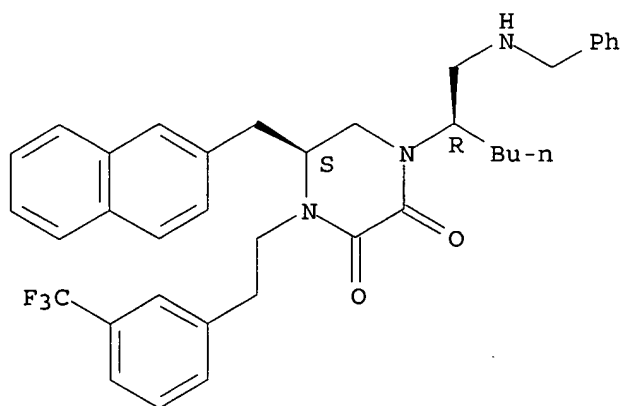
Absolute stereochemistry.



RN 537053-24-0 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-4-[2-[3-(trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

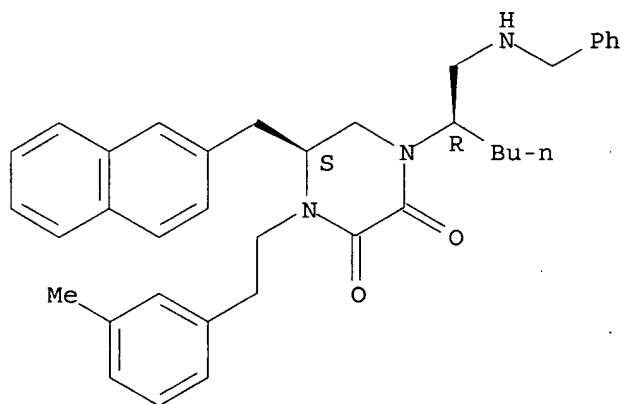
Absolute stereochemistry.



RN 537053-25-1 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

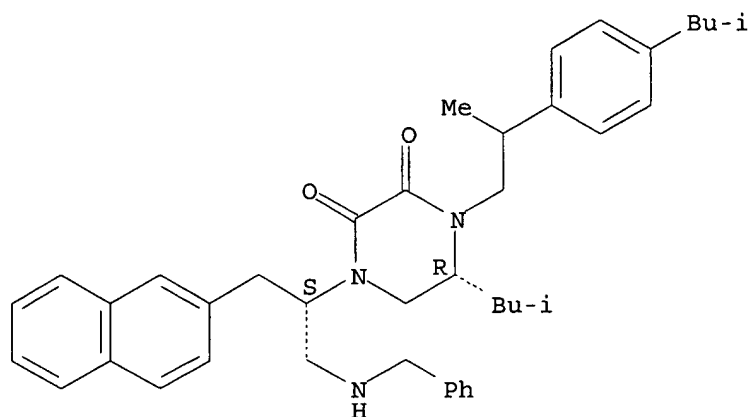
Absolute stereochemistry.



RN 537053-26-2 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-methylpropyl)-4-[2-[4-(2-methylpropyl)phenyl]propyl]-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)-(9CI) (CA INDEX NAME)

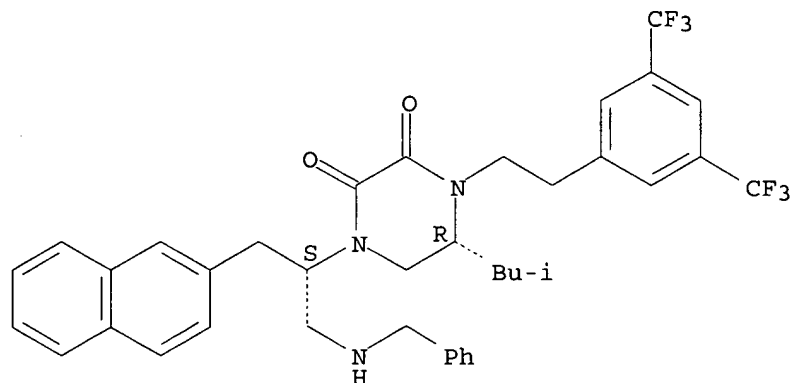
Absolute stereochemistry.



RN 537053-27-3 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

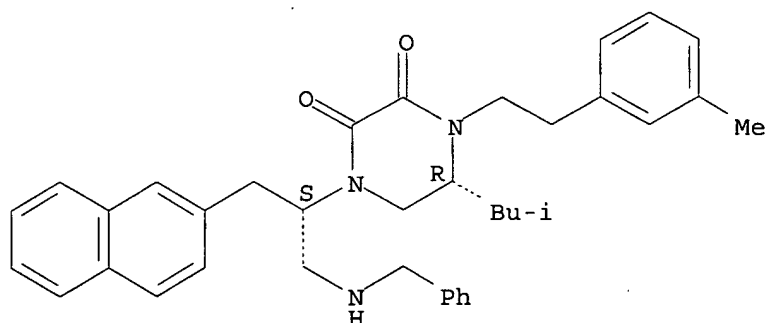
Absolute stereochemistry.



RN 537053-28-4 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

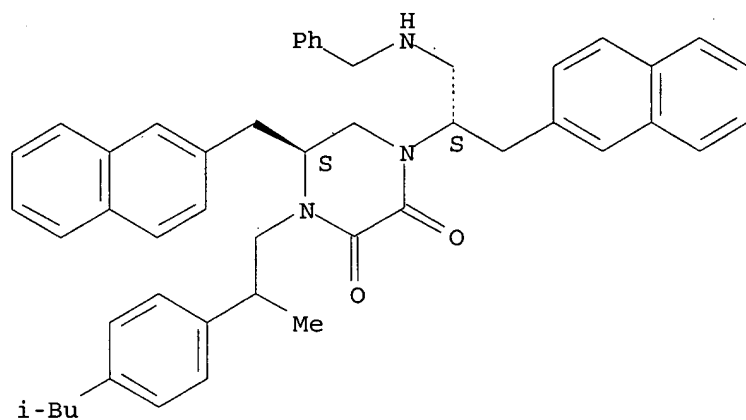
Absolute stereochemistry.



RN 537053-29-5 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[4-(2-methylpropyl)phenyl]propyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

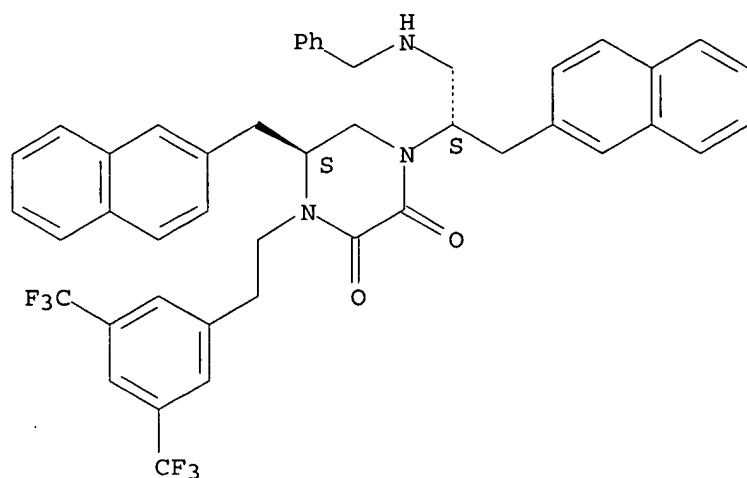
Absolute stereochemistry.



RN 537053-30-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

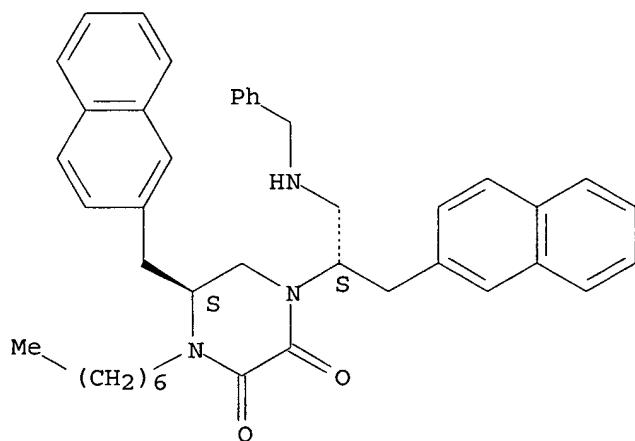
Absolute stereochemistry.



RN 537053-31-9 HCAPLUS

CN 2,3-Piperazinedione, 4-heptyl-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI)
(CA INDEX NAME)

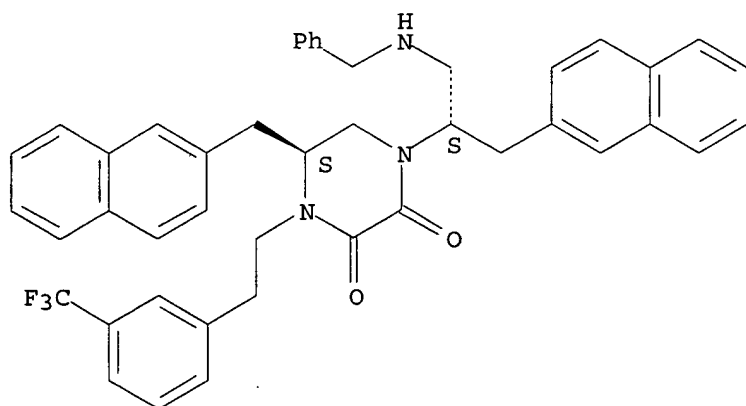
Absolute stereochemistry.



RN 537053-32-0 HCAPLUS

CN 2,3-Piperazinedione, 5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-4-[2-[3-(trifluoromethyl)phenyl]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

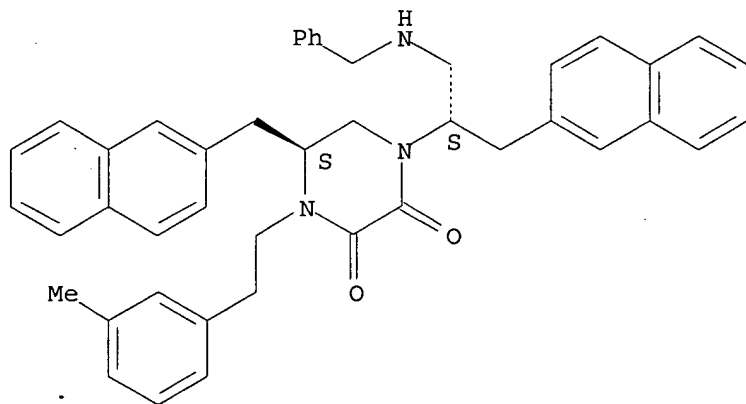
Absolute stereochemistry.



RN 537053-33-1 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methylphenyl)ethyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)-(9CI) (CA INDEX NAME)

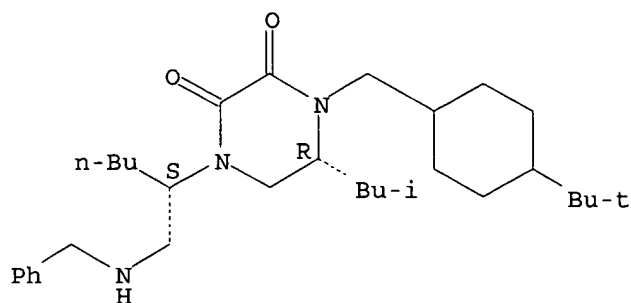
Absolute stereochemistry.



RN 540529-39-3 HCAPLUS

CN 2,3-Piperazinedione, 4-[4-(1,1-dimethylethyl)cyclohexylmethyl]-5-(2-methylpropyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)-(9CI) (CA INDEX NAME)

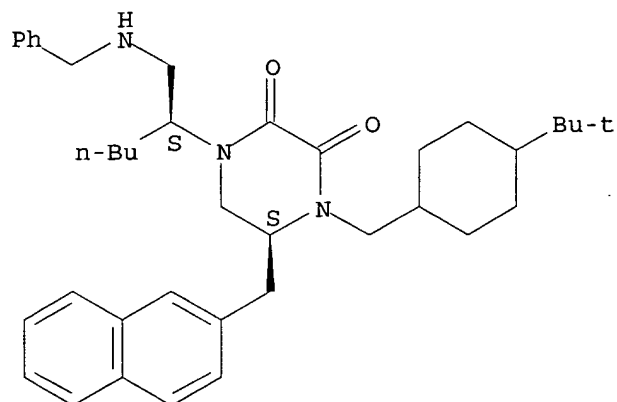
Absolute stereochemistry:



RN 540529-41-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

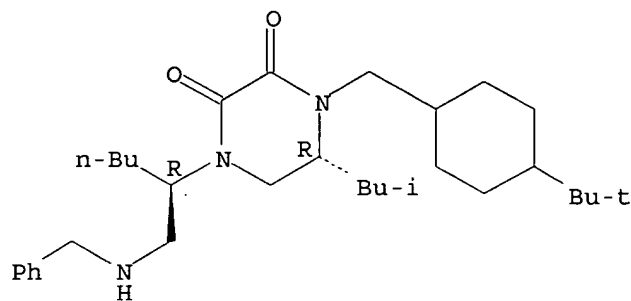
Absolute stereochemistry.



RN 540529-43-9 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-methylpropyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

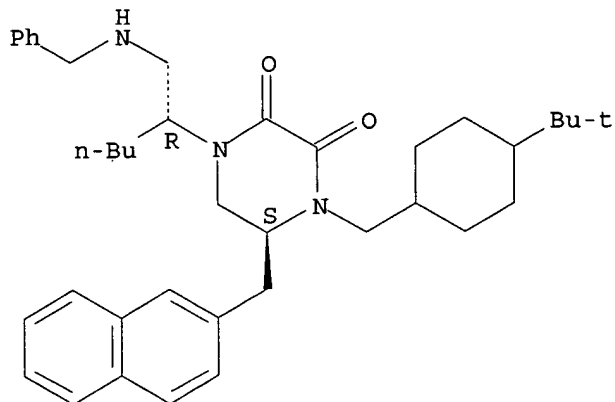


RN 540529-46-2 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-

(2-naphthalenylmethyl)-1-[(1R)-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

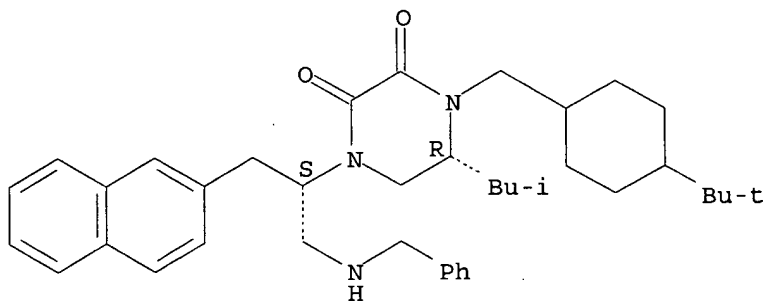
Absolute stereochemistry.



RN 540529-48-4 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-methylpropyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5R)- (9CI) (CA INDEX NAME)

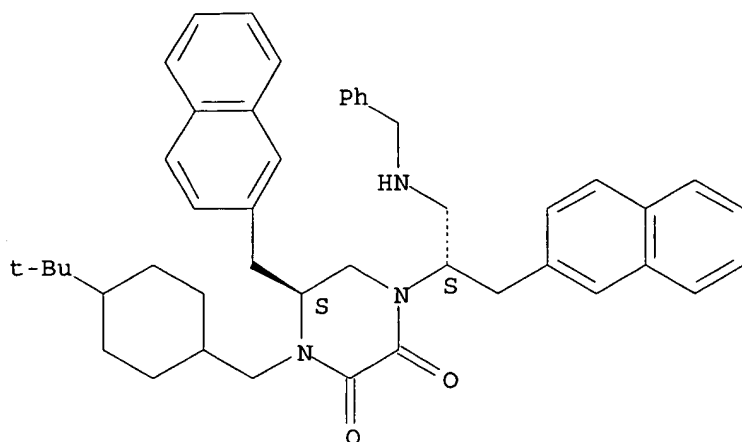
Absolute stereochemistry.



RN 540529-50-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[[4-(1,1-dimethylethyl)cyclohexyl]methyl]-5-(2-naphthalenylmethyl)-1-[(1S)-1-(2-naphthalenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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CC	1-6	(Pharmacology)		
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537053-86-4

(peptidyl and nonpeptidyl compds. for derepression of
IAP-inhibited caspase, therapeutic use, and methods for
identification of agents)

IT 540529-33-7 540529-35-9 540529-37-1 540529-39-3
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540529-48-4 540529-50-8 540529-52-0
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(peptidyl and nonpeptidyl compds. for derepression of
IAP-inhibited caspase, therapeutic use, and methods for
identification of agents)

L10 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:655115 HCAPLUS

DOCUMENT NUMBER: 137:185839

TITLE: Preparation of diketodiazacyclic compounds,
diazacyclic compounds and combinatorial
libraries

INVENTOR(S): Nefzi, Adel; Ostresh, John M.; Houghten,
Richard A.

PATENT ASSIGNEE(S): Torrey Pines Institute for Molecular Studies,
USA

SOURCE: U.S., 43 pp., Cont.-in-part of U.S. 5,786,448.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6441172	B1	20020827	US 1999-310662	1999 0512
US 5786448	A	19980728	US 1996-745793	1996

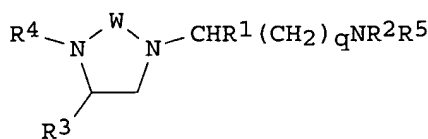
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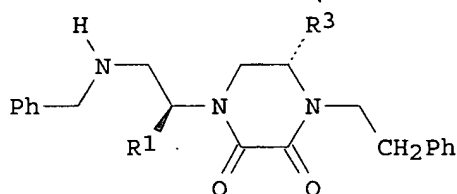
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Diff. Cl'd Comp's
→ 10 NO
Diff.
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WO 2000069830	A1	20001123	WO 2000-US10841	2000
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EP 1181279	A1	20020227	EP 2000-926259	2000
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AU 774270	B2	20040624	AU 2000-44818	2000
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US 2003120066	A1	20030626	US 2002-164688	2002
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US 6809202	B2	20041026		
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PRIORITY APPLN. INFO.:			US 1996-745793	A2
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				2002
				0606

GI



I



II

AB 1,4-Diazacyclic compds. I [$q = 1-7$; W is an (un)saturated chain of 2-4 carbon atoms which may be substituted by one or two oxo groups and other substituents and two of the remaining carbon atoms of the chain form an (un)saturated mono- or bicyclic ring containing 5- to 8-members in each ring and zero to three heteroatoms in each ring that are independently oxygen, nitrogen or sulfur; $R_1, R_3 = H$, (un)substituted alkyl, phenylalkyl, Ph, cycloalkyl; $R_2 = \text{alkyl}$, alkenyl, (un)substituted benzyl or naphthyl; $R_4 = H$, (un)substituted alkyl or phenylalkenyl, alkenyl, substituted cycloalkyl, phenylalkyl; $R_5 = H$, acyl, aroyl, alkyl- or arylaminocarbonyl or -thiocarbonyl] and libraries of these compds. were prepared. Thus, diketopiperazines II [$R_1 = \text{monosubstituted benzyl, s-Bu, CH}_2\text{OH, Me, (CH}_2\text{)}_4\text{NMeCH}_2\text{Ph}$; $R_3 = \text{PhCH}_2, \text{CHMe}_2$] were prepared by forming resin-bound N-acylated dipeptides, reduction of the amide groups, cyclization, and cleavage from the resin. Preparation of combinatorial libraries of N-benzyl- or N-methyl-1,4,5-trisubstituted-2,3-diketopiperazines and N-methyl-5,7-diketo-1,4-diazacycloheptanes are also described. The N-benzyl-1,4,5-trisubstituted-2,3-diketopiperazine library compds. were screened for orphanin binding and binding inhibition of the rat brain mu receptor.

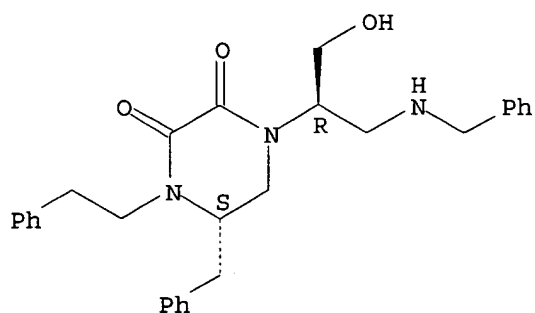
IT 287495-20-9P 287495-21-0P 287495-22-1P
287495-24-3P 287495-25-4P 287495-39-0P
308133-16-6P 308133-18-8P 308133-20-2P
308133-24-6P

(solid-phase synthesis of diketodiazacyclic compds.,
diazacyclic compds. and combinatorial libraries)

RN 287495-20-9 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-
[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-,
(5S)-(9CI) (CA INDEX NAME)

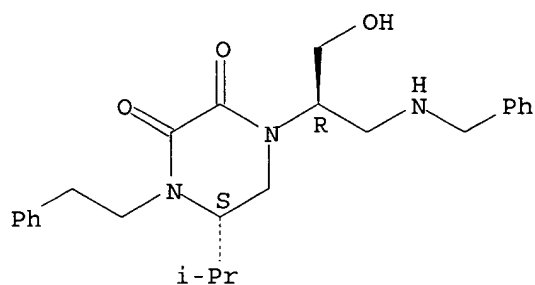
Absolute stereochemistry.



RN 287495-21-0 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-[(phenylmethyl)amino]ethyl]-5-(1-methylethyl)-4-(2-phenylethyl)-, (5S)-(9CI) (CA INDEX NAME)

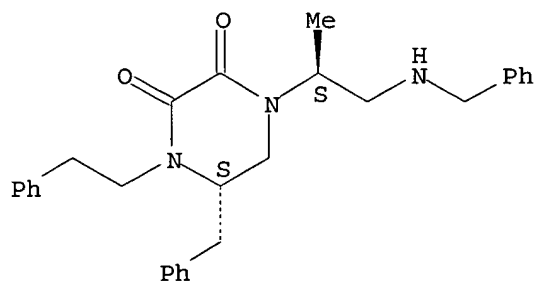
Absolute stereochemistry.



RN 287495-22-1 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-1-methyl-2-[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)-(9CI) (CA INDEX NAME)

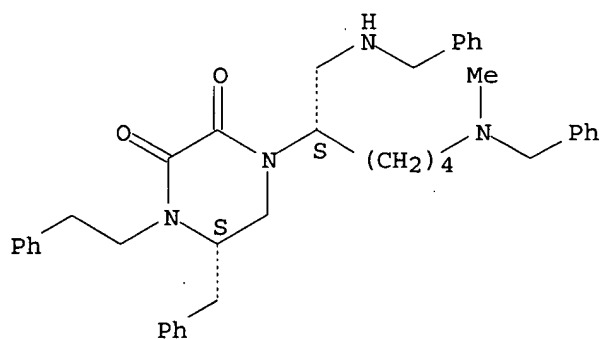
Absolute stereochemistry.



RN 287495-24-3 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)-(9CI) (CA INDEX NAME)

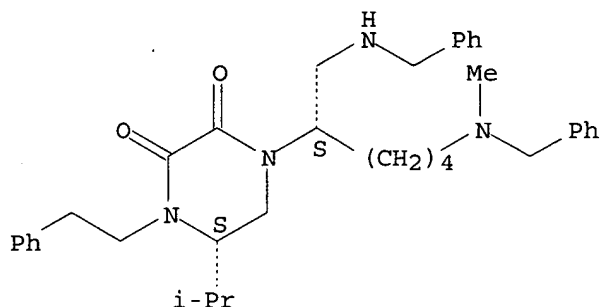
Absolute stereochemistry.



RN 287495-25-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA INDEX NAME)

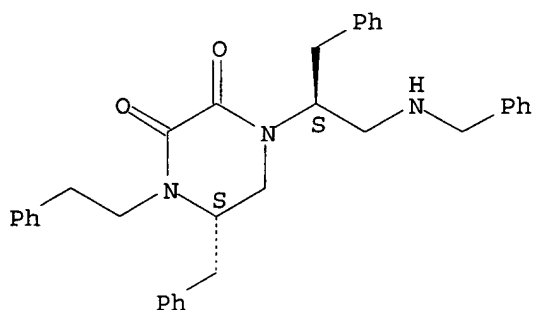
Absolute stereochemistry.



RN 287495-39-0 HCAPLUS

CN 2,3-Piperazinedione, 4-(2-phenylethyl)-5-(phenylmethyl)-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

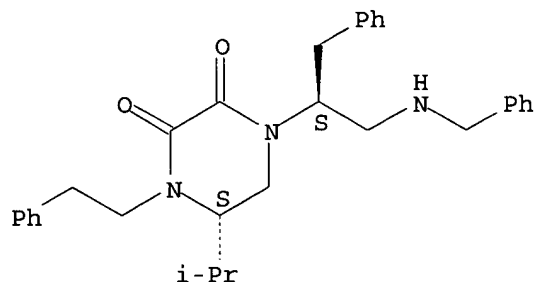
Absolute stereochemistry.



RN 308133-16-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-4-(2-phenylethyl)-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

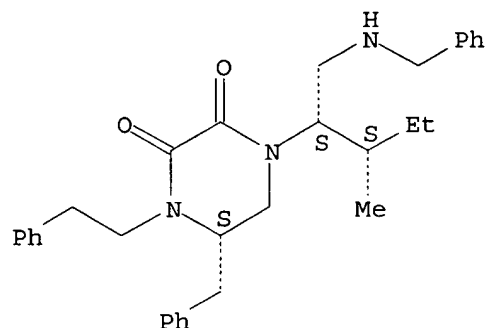
Absolute stereochemistry.



RN 308133-18-8 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S,2S)-2-methyl-1-
[[[(phenylmethyl)amino]methyl]butyl]-4-(2-phenylethyl)-5-
(phenylmethyl)-, (5S)- (9CI) (CA INDEX NAME)

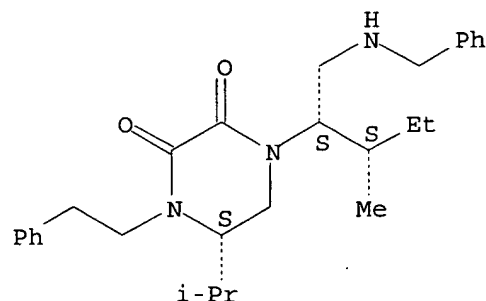
Absolute stereochemistry.



RN 308133-20-2 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S,2S)-2-methyl-1-
[[[(phenylmethyl)amino]methyl]butyl]-4-(2-phenylethyl)-, (5S)-
(9CI) (CA INDEX NAME)

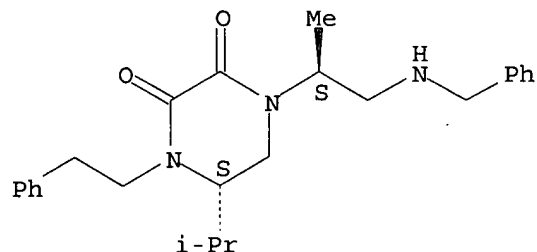
Absolute stereochemistry.



RN 308133-24-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S)-1-methyl-2-
[[[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



IC ICM C07D241-04

INCL 544383000

CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 1, 2, 28

IT 71754-91-1P 256663-69-1P 256663-70-4P 256663-71-5P
 256663-72-6P 256663-73-7P 256663-77-1P 256663-78-2P
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 308133-24-6P

(solid-phase synthesis of diketodiazacyclic compds.,
 diazacyclic compds. and combinatorial libraries)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE
 IN THE RE FORMAT

L10 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:46830 HCAPLUS

DOCUMENT NUMBER: 137:185430

TITLE: Solid phase synthesis of acyclic and
 heterocyclic combinatorial libraries from
 resin-bound triamines

AUTHOR(S): Nefzi, Adel; Giulianotti, Marc A.; Ong, Nhi
 A.; Ostresh, John M.; Dooley, Colette T.;
 Blondelle, Sylvie E.; Houghten, Richard A.

CORPORATE SOURCE: Torrey Pines Institute for Molecular Studies,
 San Diego, CA, 92121, USA

SOURCE: Innovation and Perspectives in Solid Phase
 Synthesis & Combinatorial Libraries: Peptides,
 Proteins and Nucleic Acids--Small Molecule
 Organic Chemistry Diversity, Collected Papers,
 International Symposium, 6th, York, United
 Kingdom, Aug. 31-Sept. 4, 1999 (2001), Meeting
 Date 1999, 119-122. Editor(s): Epton, Roger.
 Mayflower Scientific Ltd.: Kingswinford, UK.
 CODEN: 69CEGV; ISBN: 0-9515735-3-5

DOCUMENT TYPE: Conference

LANGUAGE: English

AB A symposium report. Acyclic and heterocyclic synthetic
 combinatorial libraries (SCLs) were prepared from peptide SCLs using
 the "libraries from libraries" approach. A bicyclic guanidine
 library was screened in a radioreceptor assay selective for the
 κ opiate receptor. A number of compds. showed binding
 affinities < 200 nM.

3 of APP's
 NO Diff Comp.

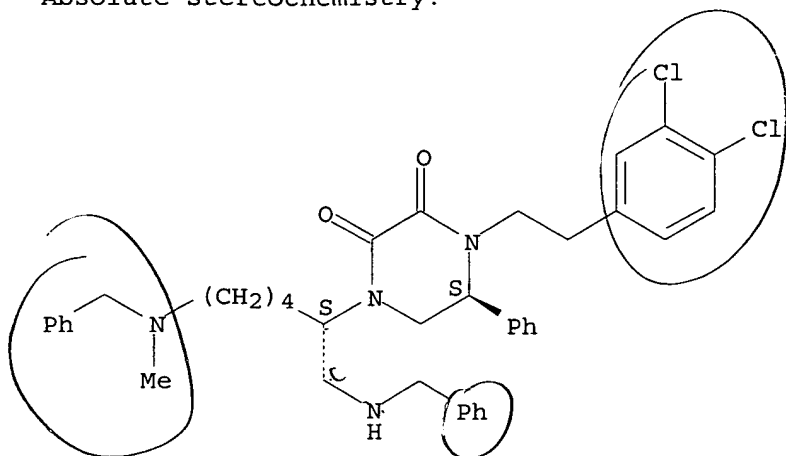
IT 449778-38-5P

(solid phase synthesis of acyclic and heterocyclic combinatorial libraries from resin-bound triamines)

RN 449778-38-5 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3,4-dichlorophenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[(phenylmethyl)amino]methyl]pentyl]-5-phenyl-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



CC 28-1 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 25, 34

IT 449778-38-5P 449778-39-6P

(solid phase synthesis of acyclic and heterocyclic combinatorial libraries from resin-bound triamines)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITATIONS AVAILABLE
IN THE RE FORMAT

L10 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:824229 HCAPLUS

DOCUMENT NUMBER: 134:5160

TITLE: Preparation of diketodiazacyclic compounds, diazacyclic compounds and combinatorial libraries

INVENTOR(S): Nefzi, Adel; Ostresh, John M.; Houghten, Richard A.

PATENT ASSIGNEE(S): Torrey Pines Institute for Molecular Studies, USA

SOURCE: PCT Int. Appl., 165 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000069830	A1	20001123	WO 2000-US10841	2000 0421

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR,

USHA SHRESTHA EIC 1600 REM 1A64

DF

3 of APP

Use Patent if needed

*102(a)
Cite as
corresponding US*

*Don't need
before
102(b)*

LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SD, SG, SI,
 SK, TR, TT, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD,
 RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
 SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN,
 TD, TG

US 6441172 B1 20020827 US 1999-310662 1999
 0512

CA 2373590 AA 20001123 CA 2000-2373590 2000
 0421

EP 1181279 A1 20020227 EP 2000-926259 2000
 0421

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
 MC, PT, IE, SI, LT, LV, FI, RO

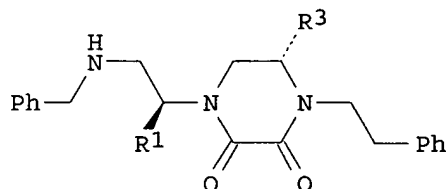
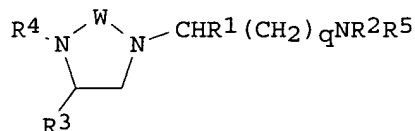
AU 774270 B2 20040624 AU 2000-44818 2000
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PRIORITY APPLN. INFO.: US 1999-310662 A 1999
 0512

US 1996-745793 A2 1996
 1107

WO 2000-US10841 W 2000
 0421

OTHER SOURCE(S): MARPAT 134:5160
 GI



AB 1,4-Diazacyclic compds. I [q = 1-7; W is an (un)saturated chain of 2-4 carbon atoms which may be substituted by one or two oxo groups and other substituents and two of the remaining carbon atoms of the chain form an (un)saturated mono- or bicyclic ring containing 5- to 8-members in each ring and zero to three heteroatoms in each ring that are independently oxygen, nitrogen or sulfur; R1, R3 = H,

(un)substituted alkyl, phenylalkyl, Ph, cycloalkyl; R2 = alkyl, alkenyl, (un)substituted benzyl or naphthyl; R4 = H, (un)substituted alkyl or phenylalkenyl, alkenyl, substituted cycloalkyl, phenylalkyl; R5 = H, acyl, aroyl, alkyl- or arylaminocarbonyl or -thiocarbonyl] and libraries of these compds. were prepared. Thus, diketopiperazines II [R1 = monosubstituted benzyl, s-Bu, CH2OH, Me, (CH2)4NMeCH2Ph; R3 = PhCH2, CHMe2] were prepared by forming resin-bound N-acylated dipeptides, reduction of the amide groups, cyclization, and cleavage from the resin.

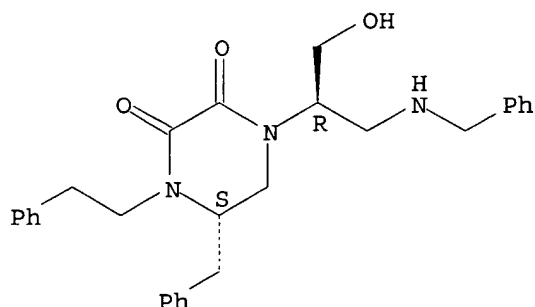
IT 287495-20-9P 287495-21-0P 287495-22-1P
287495-24-3P 287495-25-4P 287495-39-0P
308133-16-6P 308133-18-8P 308133-20-2P
308133-24-6P

(solid-phase synthesis of diketodiazacyclic compds.,
diazacyclic compds. and combinatorial libraries)

RN 287495-20-9 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-
[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-,
(5S)- (9CI) (CA INDEX NAME)

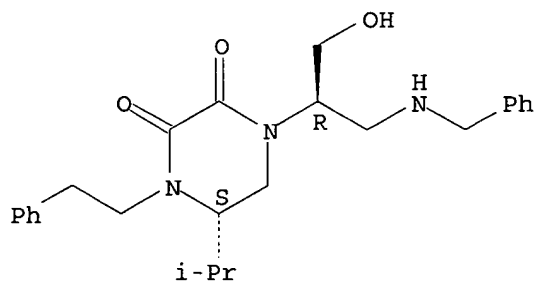
Absolute stereochemistry.



RN 287495-21-0 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-
[(phenylmethyl)amino]ethyl]-5-(1-methylethyl)-4-(2-phenylethyl)-,
(5S)- (9CI) (CA INDEX NAME)

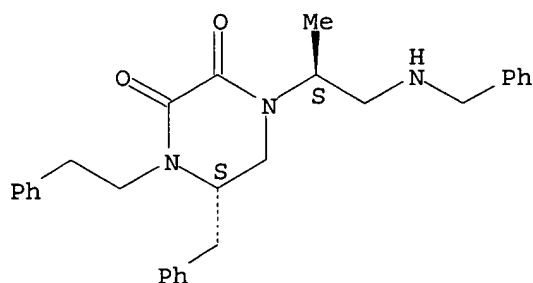
Absolute stereochemistry.



RN 287495-22-1 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-1-methyl-2-
[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-,
(5S)- (9CI) (CA INDEX NAME)

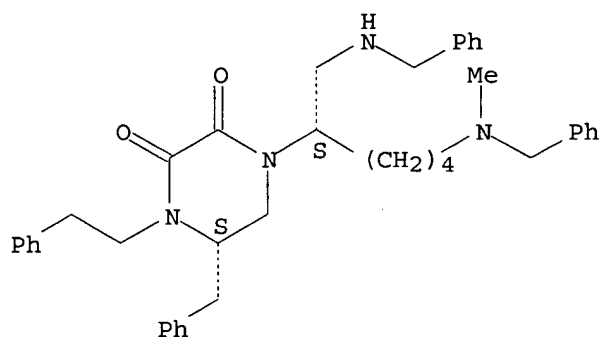
Absolute stereochemistry.



RN 287495-24-3 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)- (9CI) (CA INDEX NAME)

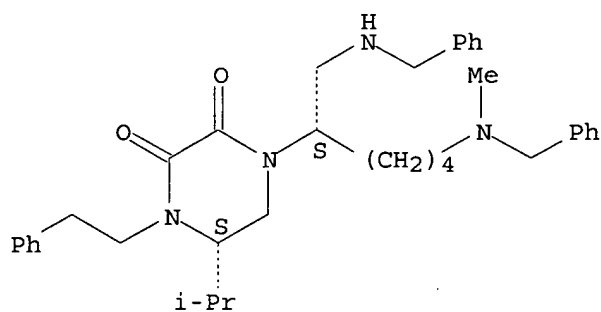
Absolute stereochemistry.



RN 287495-25-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA INDEX NAME)

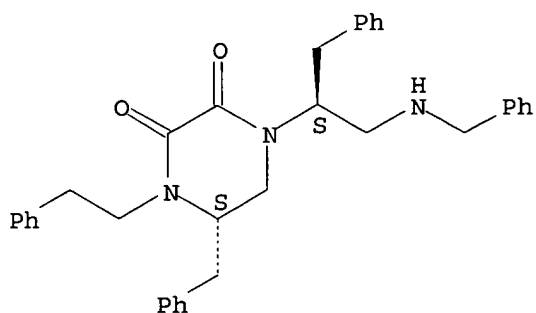
Absolute stereochemistry.



RN 287495-39-0 HCAPLUS

CN 2,3-Piperazinedione, 4-(2-phenylethyl)-5-(phenylmethyl)-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

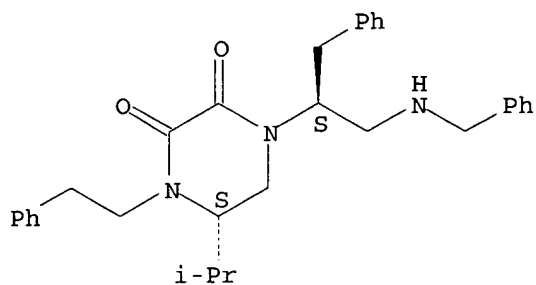
Absolute stereochemistry.



RN 308133-16-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-4-(2-phenylethyl)-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

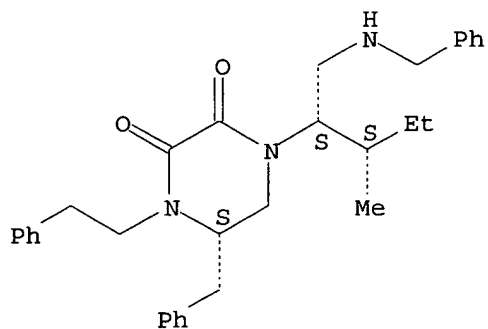
Absolute stereochemistry.



RN 308133-18-8 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S,2S)-2-methyl-1-[[[(phenylmethyl)amino]methyl]butyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)- (9CI) (CA INDEX NAME)

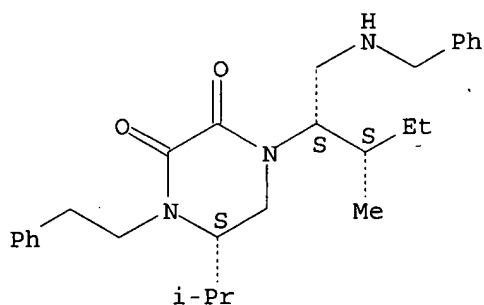
Absolute stereochemistry.



RN 308133-20-2 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S,2S)-2-methyl-1-[[[(phenylmethyl)amino]methyl]butyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA INDEX NAME)

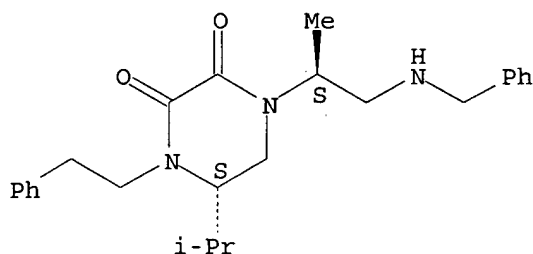
Absolute stereochemistry.



RN 308133-24-6 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S)-1-methyl-2-[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07D223-00

ICS C07D225-00; C07D241-04; C07D245-00; C07D267-02; G01N033-536; G01N033-543

CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 1, 28

IT 71754-91-1P 256663-69-1P 256663-70-4P 256663-71-5P
 256663-72-6P 256663-73-7P 256663-77-1P 256663-78-2P
 256663-79-3P 287495-08-3P 287495-09-4P 287495-11-8P
 287495-12-9P 287495-13-0P 287495-15-2P 287495-20-9P
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 308133-16-6P 308133-18-8P 308133-20-2P
 308133-24-6P

(solid-phase synthesis of diketodiazacyclic compds.,
 diazacyclic compds. and combinatorial libraries)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE
 IN THE RE FORMAT

L10 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:373661 HCAPLUS

DOCUMENT NUMBER: 133:150895

TITLE: Solid-phase synthesis of substituted
 2,3-diketopiperazines from reduced polyamides
 AUTHOR(S): Nefzi, Adel; Giulianotti, Marc A.; Houghten,
 Richard A.

CORPORATE SOURCE: Torrey Pines Institute for Molecular Studies,

#14650

102(b)

2 of

App's

SOURCE: San Diego, CA, 92121, USA
 Tetrahedron (2000), 56(21), 3319-3326
 CODEN: TETRAB; ISSN: 0040-4020
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 133:150895

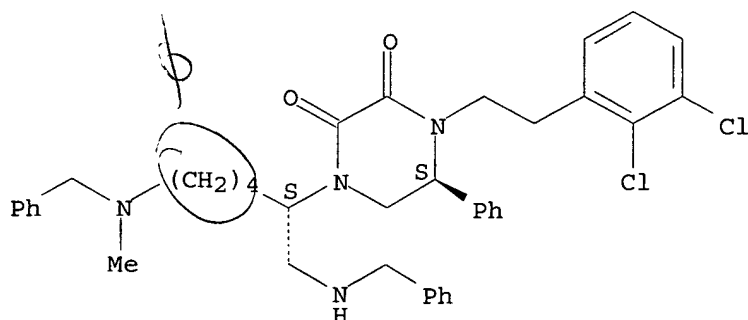
AB An efficient method for the solid phase synthesis of 1,6-disubstituted 2,3-diketopiperazine and 1,4,5-trisubstituted 2,3-diketopiperazine derivs. is described. The reduction of resin-bound acylated amino acids or resin-bound acylated dipeptides, followed by treatment with oxalyldiimidazole, affords the corresponding diketopiperazines in good yield and high purity. This is an example of a broader approach to the solid phase synthesis of individual heterocyclic compds. using peptides directly or indirectly as starting materials.

IT 287495-16-3P 287495-17-4P 287495-18-5P
 287495-19-6P 287495-20-9P 287495-21-0P
 287495-22-1P 287495-23-2P 287495-24-3P
 287495-25-4P 287495-26-5P 287495-27-6P
 287495-28-7P 287495-30-1P 287495-31-2P
 287495-32-3P 287495-33-4P 287495-34-5P
 287495-35-6P 287495-36-7P 287495-37-8P
 287495-38-9P 287495-39-0P
 (solid-phase synthesis of substituted 2,3-diketopiperazines from reduced polyamides)

RN 287495-16-3 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(2,3-dichlorophenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[(phenylmethyl)amino]methyl]pentyl]-5-phenyl-, (5S)- (9CI) (CA INDEX NAME)

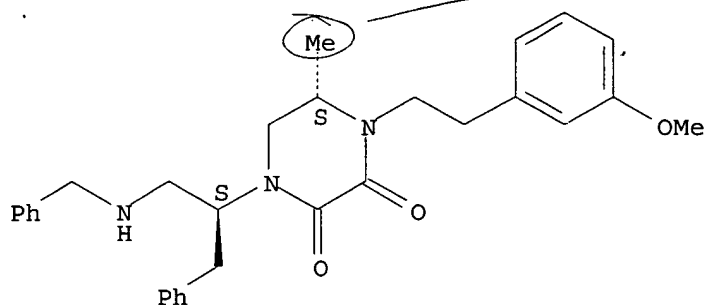
Absolute stereochemistry.



RN 287495-17-4 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(3-methoxyphenyl)ethyl]-5-methyl-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

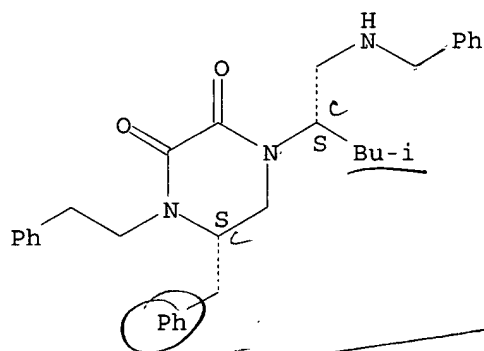
Absolute stereochemistry.



RN 287495-18-5 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-3-methyl-1-
[[[(phenylmethyl)amino]methyl]butyl]-4-(2-phenylethyl)-5-
(phenylmethyl)-, (5S)- (9CI) (CA INDEX NAME)

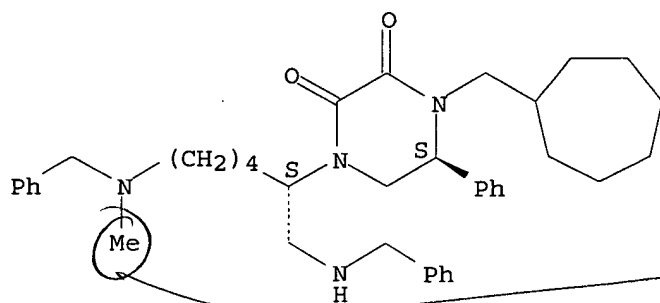
Absolute stereochemistry.



RN 287495-19-6 HCAPLUS

CN 2,3-Piperazinedione, 4-(cycloheptylmethyl)-1-[(1S)-5-
[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-
5-phenyl-, (5S)- (9CI) (CA INDEX NAME)

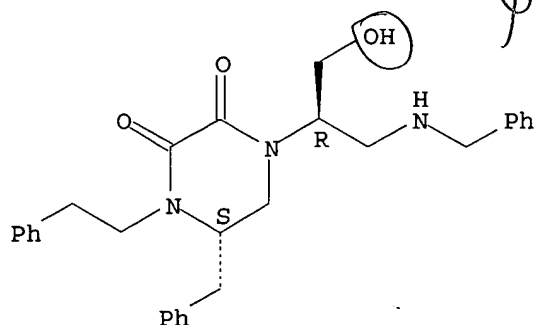
Absolute stereochemistry.



RN 287495-20-9 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-
[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-,
(5S)- (9CI) (CA INDEX NAME)

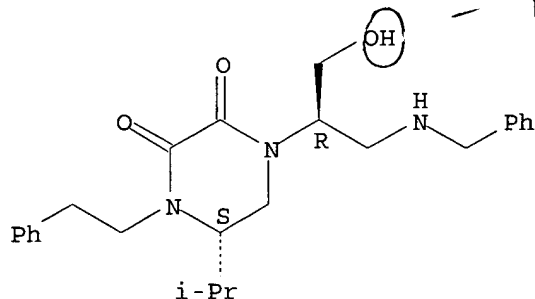
Absolute stereochemistry.



RN 287495-21-0 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1R)-1-(hydroxymethyl)-2-[(phenylmethyl)amino]ethyl]-5-(1-methylethyl)-4-(2-phenylethyl)-, (5S)-(9CI) (CA INDEX NAME)

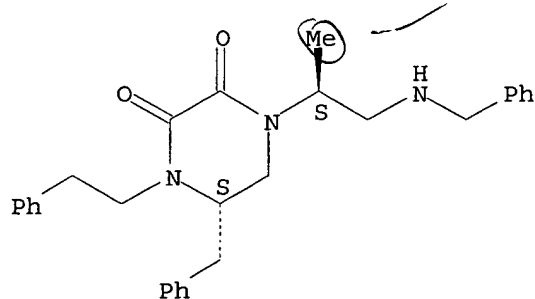
Absolute stereochemistry.



RN 287495-22-1 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-1-methyl-2-[(phenylmethyl)amino]ethyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)-(9CI) (CA INDEX NAME)

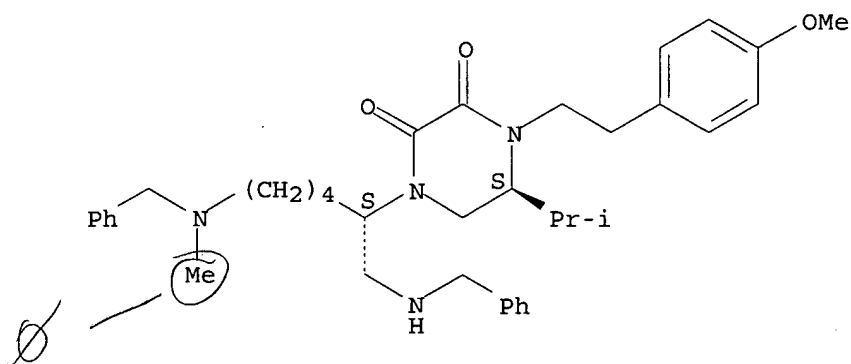
Absolute stereochemistry.



RN 287495-23-2 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(4-methoxyphenyl)ethyl]-5-(1-methylethyl)-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)-(9CI) (CA INDEX NAME)

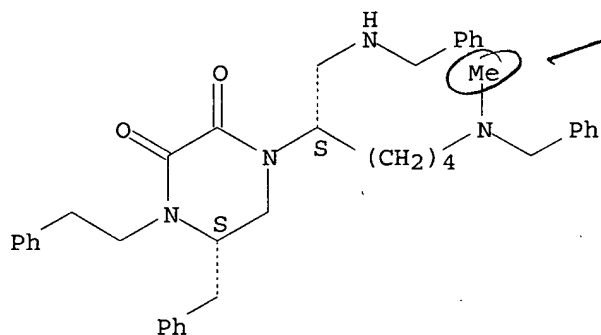
Absolute stereochemistry.



RN 287495-24-3 HCAPLUS

CN 2,3-Piperazinedione, 1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-5-(phenylmethyl)-, (5S)- (9CI) (CA INDEX NAME)

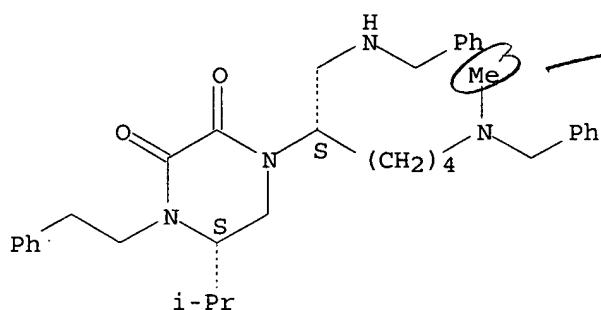
Absolute stereochemistry.



RN 287495-25-4 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-4-(2-phenylethyl)-, (5S)- (9CI) (CA INDEX NAME)

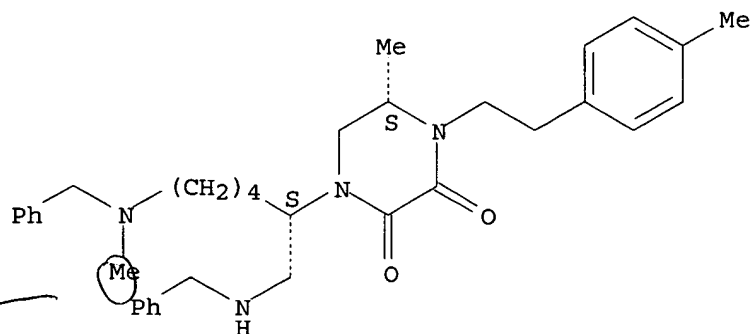
Absolute stereochemistry.



RN 287495-26-5 HCAPLUS

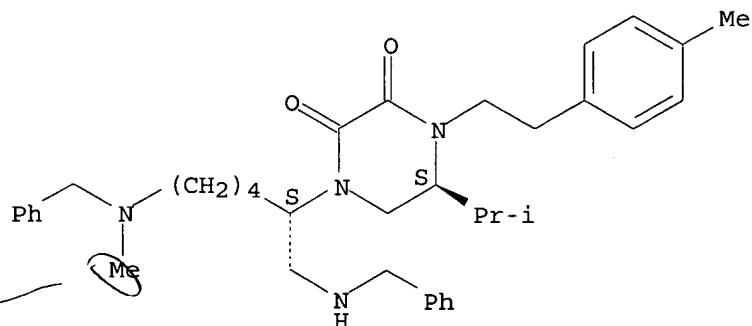
CN 2,3-Piperazinedione, 5-methyl-4-[2-(4-methylphenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



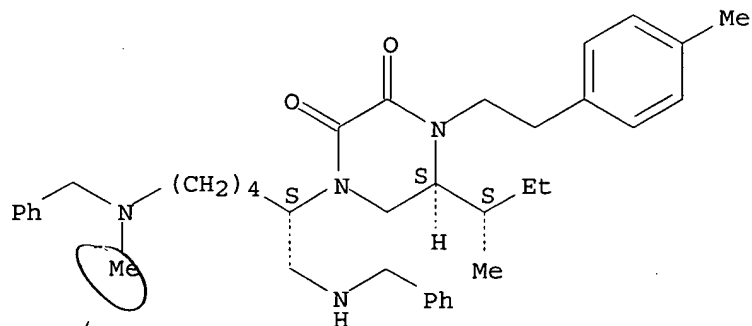
RN 287495-27-6 HCAPLUS
 CN 2,3-Piperazinedione, 5-(1-methylethyl)-4-[2-(4-methylphenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[(phenylmethyl)amino]methyl]pentyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 287495-28-7 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-(4-methylphenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[(phenylmethyl)amino]methyl]pentyl]-5-[(1S)-1-methylpropyl]-, (5S)- (9CI) (CA INDEX NAME)

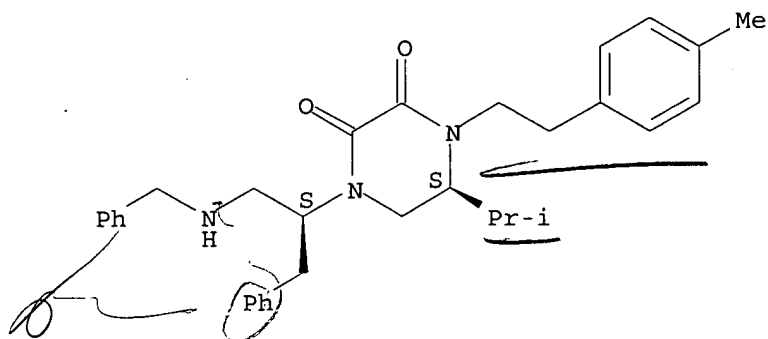
Absolute stereochemistry.



RN 287495-30-1 HCAPLUS

CN 2,3-Piperazinedione, 5-(1-methylethyl)-4-[2-(4-methylphenyl)ethyl]-
1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)-
(9CI) (CA INDEX NAME)

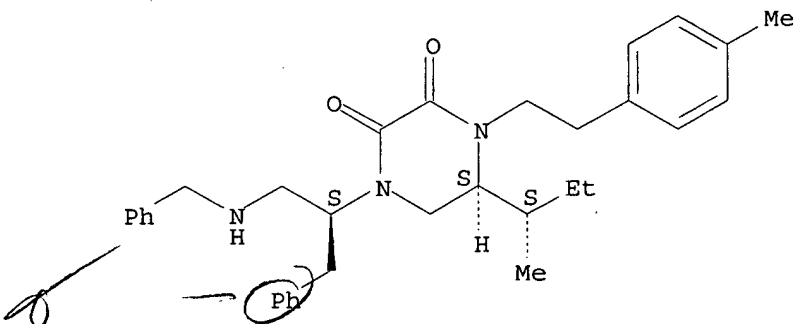
Absolute stereochemistry.



RN 287495-31-2 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(4-methylphenyl)ethyl]-5-[(1S)-1-
methylpropyl]-1-[(1S)-1-(phenylmethyl)-2-
[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

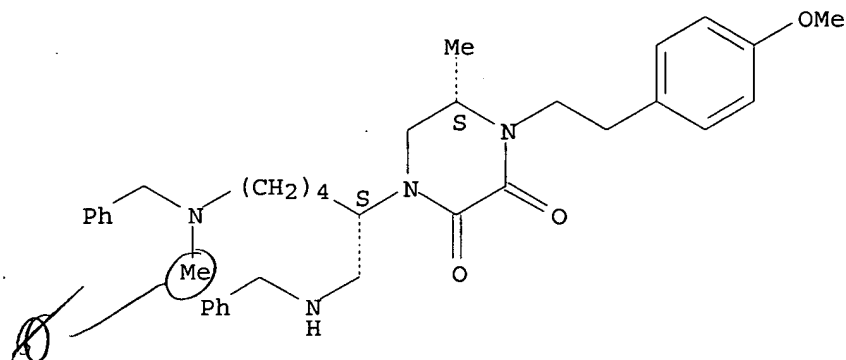
Absolute stereochemistry.



RN 287495-32-3 HCAPLUS

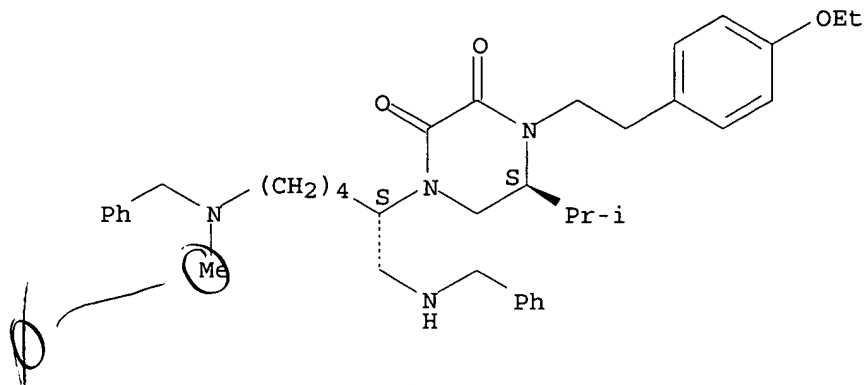
CN 2,3-Piperazinedione, 4-[2-(4-methoxyphenyl)ethyl]-5-methyl-1-[(1S)-
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l]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



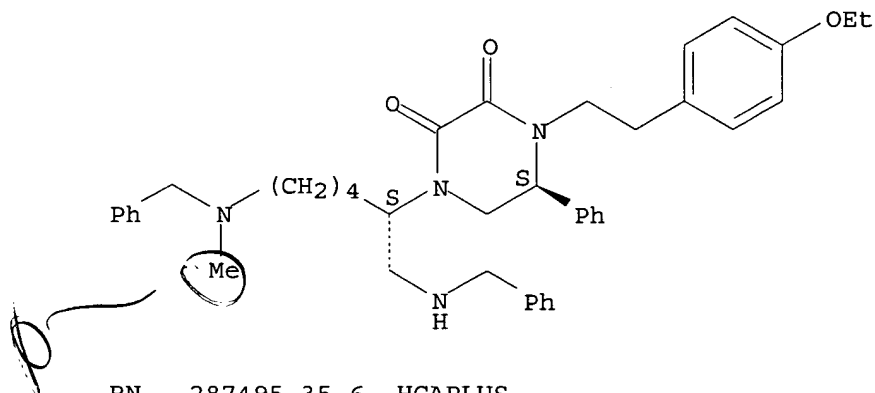
RN 287495-33-4 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-(4-ethoxyphenyl)ethyl]-5-(1-methylethyl)-
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 NAME)

Absolute stereochemistry.



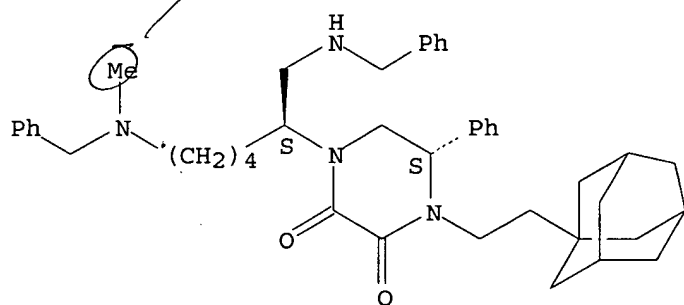
RN 287495-34-5 HCAPLUS
 CN 2,3-Piperazinedione, 4-[2-(4-ethoxyphenyl)ethyl]-1-[(1S)-5-
 [methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-
 5-phenyl-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 287495-35-6 HCAPLUS
 CN 2,3-Piperazinedione, 1-[(1S)-5-[methyl(phenylmethyl)amino]-1-
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 tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl)-, (5S)- (9CI) (CA INDEX NAME)

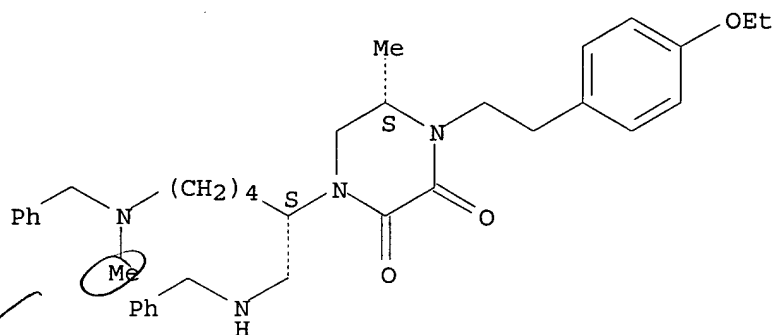
Absolute stereochemistry.



RN 287495-36-7 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(4-ethoxyphenyl)ethyl]-5-methyl-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-5-phenyl]-, (5S)-(9CI) (CA INDEX NAME)

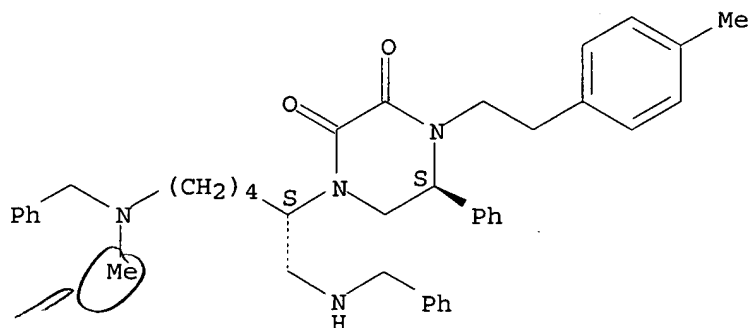
Absolute stereochemistry.



RN 287495-37-8 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(4-methylphenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-5-phenyl]-, (5S)-(9CI) (CA INDEX NAME)

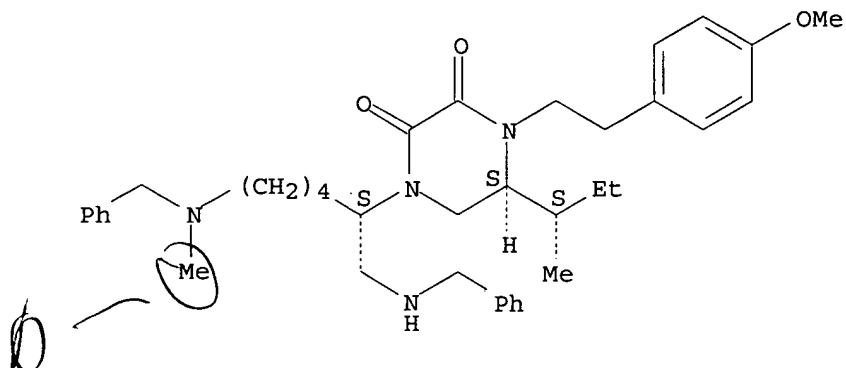
Absolute stereochemistry.



RN 287495-38-9 HCAPLUS

CN 2,3-Piperazinedione, 4-[2-(4-methoxyphenyl)ethyl]-1-[(1S)-5-[methyl(phenylmethyl)amino]-1-[[[(phenylmethyl)amino]methyl]pentyl]-5-phenyl]-, (5S)-(9CI) (CA INDEX NAME)

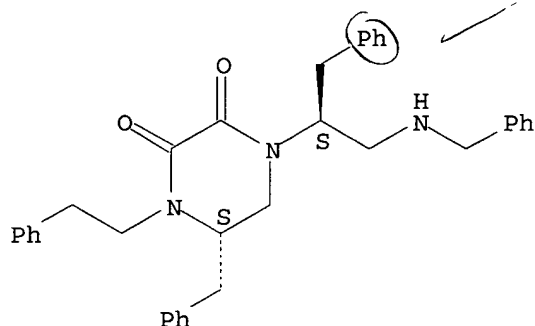
Absolute stereochemistry.



RN 287495-39-0 HCAPLUS

CN 2,3-Piperazinedione, 4-(2-phenylethyl)-5-(phenylmethyl)-1-[(1S)-1-(phenylmethyl)-2-[(phenylmethyl)amino]ethyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 28

IT 71754-91-1P 256663-69-1P 256663-70-4P 256663-71-5P
 256663-73-7P 256663-74-8P 256663-75-9P 256663-76-0P
 256663-77-1P 256663-78-2P 256663-79-3P 287495-08-3P
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 287495-13-0P 287495-14-1P 287495-15-2P **287495-16-3P**
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287495-39-0P

(solid-phase synthesis of substituted 2,3-diketopiperazines from reduced polyamides)

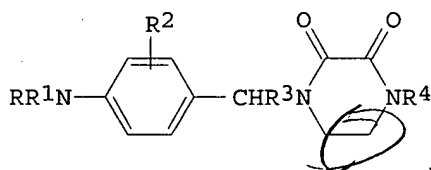
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1981:407331 HCAPLUS

DOCUMENT NUMBER: 95:7331
 TITLE: 1-(4-Aminobenzyl)-2,3-dioxopiperazine derivatives and their acid addition salts
 PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd., Japan
 SOURCE: Ger. Offen., 86 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3027106	A1	19810219	DE 1980-3027106	1980 0717
DE 3027106	C2	19881110		
JP 56018969	A2	19810223	JP 1979-93234	1979 0724
JP 05057272	B4	19930823		
CA 1131640	A1	19820914	CA 1980-356116	1980 0714
GB 2056976	A	19810325	GB 1980-23879	1980 0722
FR 2461705	A1	19810206	FR 1980-16275	1980 0723
FR 2461705	B1	19830318		
PRIORITY APPLN. INFO.:			JP 1979-93234	A 1979 0724

OTHER SOURCE(S): MARPAT 95:7331
 GI



AB Piperazinediones I (R, R1 = H, alkyl, cycloalkyl, aralkyl, acyl, thiocarbamoyl, alkylthioimidoyl, amidino, heterocyclic; NRR1 = heterocyclic; R2 = H, amino, alkyl, alkoxy; R3 = H, alkyl; R4 = H, aliphatic, aryl, heterocyclic) were prepared. Thus AcNHCH2CH2NH2 was reductively alkylated with 4-AcNHC6H4CHO to give 4-H2NC6H4CH2NHCH2CH2NH2 which was cyclized with di-Et oxalate to give I (R-R4 = H). The latter compound was treated with 2-bromopyrimidine to give I (R = 2-pyrimidinyl; R1-R4 = H) which was treated with PhCH2Cl to give I (R = 2-pyrimidinyl, R1-R3 = H, R4 = CH2Ph) (II). II had a min. inhibitory concentration against HeLa cells of 0.1 µg/mL.

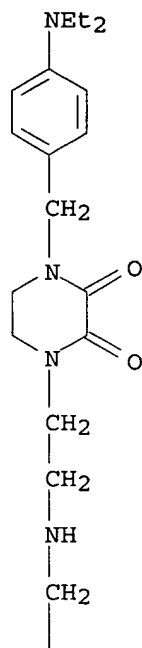
IT 77916-95-1P

(preparation and antitumor activity of)

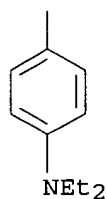
RN 77916-95-1 HCAPLUS

CN 2,3-Piperazinedione, 1-[[4-(diethylamino)phenyl]methyl]-4-[2-[[[4-(diethylamino)phenyl]methyl]amino]ethyl]-, trihydrochloride (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 2-A



●3 HCl

IC C07D241-08; A61K031-495; C07D401-00; C07D403-00

CC 28-18 (Heterocyclic Compounds (More Than One Hetero Atom))

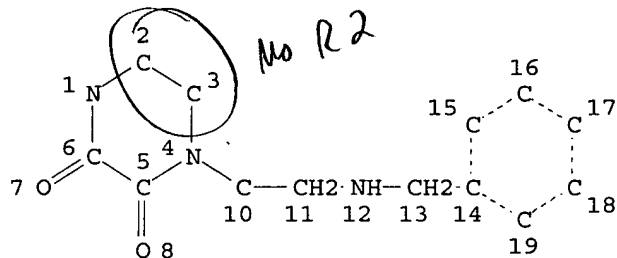
IT	77916-95-1P	77916-97-3P	77916-98-4P	77916-99-5P
	77917-01-2P	77917-02-3P	77917-05-6P	77917-10-3P
	77917-21-6P	77917-23-8P	77917-27-2P	77917-29-4P
	77917-32-9P	77917-33-0P	77917-35-2P	77917-36-3P
	77917-40-9P	77917-42-1P	77917-43-2P	77917-46-5P
	77917-52-3P	77917-53-4P	77917-55-6P	77917-56-7P
	77917-59-0P	77917-60-3P	77917-62-5P	77917-65-8P

77917-76-1P 77917-78-3P 77917-82-9P 77917-86-3P
 77917-88-5P 77917-94-3P 77917-95-4P 77917-96-5P
 77917-97-6P 77918-00-4P 77918-01-5P 77918-02-6P
 77918-04-8P 77918-05-9P 77939-48-1P
 (preparation and antitumor activity of)

=> fil marpat
 FILE 'MARPAT' ENTERED AT 14:27:11 ON 22 SEP 2006

=> d que l13
 L7

STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
 L9 66 SEA FILE=REGISTRY SSS FUL L7
 L10 7 SEA FILE=HCAPLUS ABB=ON L9
 L12 4 SEA FILE=MARPAT SSS FUL L7
 L13 2 SEA FILE=MARPAT ABB=ON L12 NOT L10

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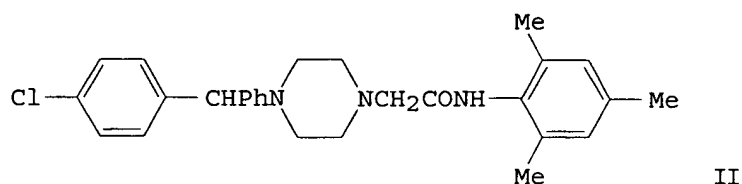
L13 ANSWER 1 OF 2 MARPAT COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 110:57692 MARPAT
 TITLE: Preparation of N-benzhydrylpiperazines and
 analogs as vasodilators
 INVENTOR(S): Hirai, Koichi; Fujimoto, Katsumi; Iwnao, Yuji;
 Matsui, Yoshiki
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 76 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 283310	A1	19880921	EP 1988-302414	19880318
EP 283310	B1	19930526		

R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

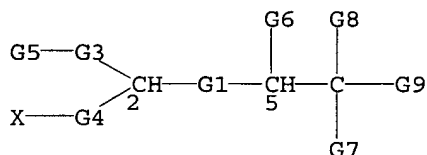
US 5028610	A	19910702	US 1988-167354	19880314
JP 01063569	A2	19890309	JP 1988-64125	19880317
AT 89822	E	19930615	AT 1988-302414	19880318
CA 1326027	A1	19940111	CA 1988-561899	19880318
ES 2056913	T3	19941016	ES 1988-302414	19880318
PRIORITY APPLN. INFO.:			JP 1987-63157	19870318
			EP 1988-302414	19880318

GI

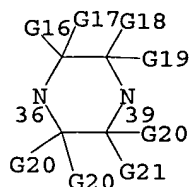


AB The title compds. AMB [I; A = X1C6H4CHC6H4X2; B = CHR1CR2R3NR4R5; R1 = H, alkyl; R2,R3 = H; R2R3 = O; R4,R5 = H, (un)substituted alkyl, aryl; M = 5 to 7-membered (un)substituted ring containing 2 N-atoms bearing A and B, resp., as substituents; 1 of X1,X2 = halo and the other = H, halo] were prepared 1-(4-Chlorobenzhydryl)piperazine was stirred 7.5 h at 80° with ClCH2CONHC6H2Me3-2,4,6 in DMF containing K2CO3 to give benzhydrylcarbamoylmethylpiperazine II which prolonged survival of mice in a 4% O environment by 93% at 30 mg/kg i.p.

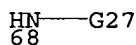
MSTR 1



G1 = 36-2 39-5



G9 = 68



G27 = CH2Ph

G16+G17= O

G18+G19= O

Generic group attributes: 35 <containing 1-6 C>

Derivative: and pharmaceutically acceptable salts

Patent location: claim 1

L13 ANSWER 2 OF 2 MARPAT COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 101:151887 MARPAT

TITLE: 1-(4-Aminobenzyl)-2,3-dioxopiperazine
derivatives and saltsINVENTOR(S): Hori, Takako; Yoshida, Chosaku; Kiba, Yasuo;
Takeno, Ryuko; Nakano, Joji; Nitta, Jun;
Kishimoto, Sumiko; Murakami, Shohachi; Tsuda,
Hisatsugu; Saikawa, Isamu

PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd., Japan

SOURCE: U.S., 13 pp. Cont.-in-part of U.S. Ser. No.
169,457.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

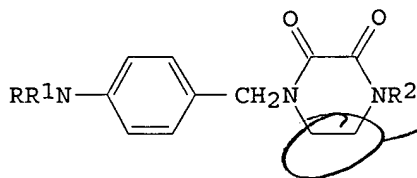
FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4459407	A	19840710	US 1982-345055	19820202
JP 56018969	A2	19810223	JP 1979-93234	19790724
JP 05057272	B4	19930823		
US 4436921	A	19840313	US 1980-169457	19800716
JP 57140783	A2	19820831	JP 1981-15837	19810206
JP 63066319	B4	19881220		
US 4460774	A	19840717	US 1982-348271	19820212
US 4477666	A	19841016	US 1982-348272	19820212
US 4448963	A	19840515	US 1982-351257	19820222
US 4477664	A	19841016	US 1982-351256	19820222
PRIORITY APPLN. INFO.:			JP 1979-93234	19790724
			US 1980-169457	19800716
			JP 1981-15837	19810206

OTHER SOURCE(S): CASREACT 101:151887

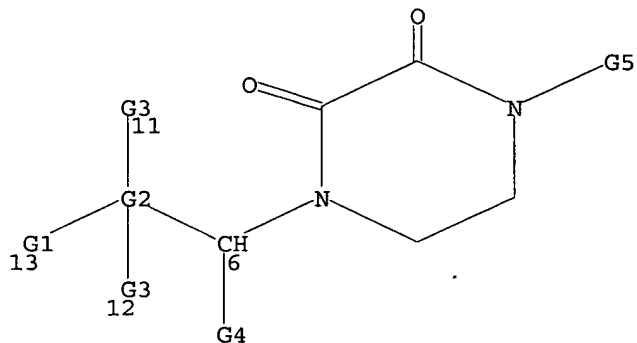
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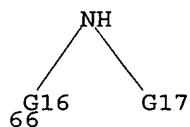
No R2

AB The carcinostatic title compds. I (R = pyrimidinyl, R1 = (un)substituted C1-8 alkyl; R2 = C1-8 alkyl, aralkyl) were prepared. Thus, 1-(4-ethylaminobenzyl)-4-hexyldioxopiperazine was treated with 2-bromopyrimidine to give I (R = 2-pyrimidinyl, R1 = Et, R2 = hexyl). At 110 mg/kg I (R = 2-pyrimidinyl, R1 = MeOCH2, R2 = benzyl) increased the mean survival days of mice with inoculated L-1210 leukemia cells by a test group/control group ratio of 177%.

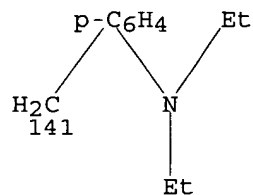
MSTR 1



G5 = 66



G16 = CH₂CH₂
G17 = 141



Patent location:
Note:

claims
record may include structures from
disclosure